

Volume

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Dependent Resurvey

of the North Boundary

of T. 1 N., R. 18 W.

The Survey of

a Portion of the Subdivision

of T. 2 N., R. 18 W.

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated July 12, 1961, which provided

for the surveys included under Group No. 450, approved July 28, 1961

and assignment instructions dated July 28, 1961

Survey commenced August 4, 1961

Survey completed August 30, 1961

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Township 2 North, Range 18 West

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Township 2 North, Range 18 West

Chains

The north boundary of Township 1 North, Range 18 West, was surveyed by A. J. Stoekey in 1907. A portion of the west boundary of Township 2 North, Range 18 West, was surveyed by Edward W. Koeber, in 1887, as the east boundary of Township 3 North, Range 19 West. The remainder of the west boundary and the north boundary was surveyed concurrently under this same group, as the east boundary of Township 2 North, Range 19 West and the south boundary of Township 3 North, Range 18 West. The east boundary of Township 2 North, Range 19 West was surveyed by Boyd S. Owens, in 1960. The following field notes are those of the dependent resurvey of the north boundary of Township 1 North, Range 18 West, and the survey of a portion of the subdivision of Township 2 North, Range 18 West, deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

Before restoring the corners, the lines of the original survey were retraced and a diligent search made for any evidence of the original corners, or other calls of field note record. The rules of proportionate measurement were then applied in order to ascertain the position of lost corners, but not until after every reasonable possibility of finding direct evidence for the control of each particular corner had been exhausted.

The survey was executed with a W. and L. E. Gurler Solar Transit No. 591189 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distance to topography on lines run by traverse or triangulation are approximate. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations of the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $40^{\circ}51'50''$ North and longitude $113^{\circ}50'24''$ West as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $17^{\circ}15'$ East.

Dependent Resurvey of the N. Bdy. of

T. 1 N., R. 18 W.

Chains	<p>Reestablishment of the Survey executed by A. J. Stookay, in 1907.</p> <p>From the cor. of Tps. 1 and 2 N., Rs. 17 and 18 E., monumented by a fir post, conforming to the official record.</p> <p>N. 89°57' W. between secs. 1 and 36.</p> <p>Over level desert land, through moderate undergrowth.</p>
4.00	Bladed dirt road, bears SW. and NE.
40.09	<p>The original $\frac{1}{4}$ sec. cor. of secs. 1 and 36, monumented by a limestone rock, 6x8x14 ins., firmly set in the ground, and mkd. $\frac{1}{4}$ on the N. face.</p> <p>At the cor. point.</p> <p>Set a fir post 4x4 ins., 4 ft. long, 32 ins. in the ground, scribed as follows.</p> <p style="padding-left: 40px;">TwN $\frac{1}{4}$S36 on the N. face, R18W on the E. face, and T1N S1 on the S. face.</p> <p>Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.</p> <p>Raise a mound of earth, 3 ft. base 2 ft. high, N. of the cor.</p> <p>Deposit the original cor. alongside the fir post.</p>
	N. 89°58' W., beginning new measurement.
32.00	Leave level land, ascend over a slight SE. slope, enter shadscale brush.
40.07	<p>The original cor. of secs. 1, 2, 35 and 36 monumented by a limestone rock, 12x12x18 ins., firmly set in the ground, and mkd. with 5 notches on the W. and 1 notch on the E. edge.</p> <p>At the cor. point.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T2N R18W S35 S36 S2 S1 T1N 1961</p> <p>Deposit the original cor. alongside the iron post.</p> <p>Land, level and nearly level desert.</p> <p>Soil, clay, the first 72 chs., sand and gravel the balance.</p> <p>Undergrowth, salt brush and shadscale.</p>
40.08	<p>N. 89°58' W., between secs. 2 and 35.</p> <p>Over gently rolling desert land, through moderate undergrowth.</p> <p>The original $\frac{1}{4}$ sec. cor. of secs. 2 and 35, monumented by a limestone rock, 6x8x14 ins., firmly set in the ground, and mkd. $\frac{1}{4}$ on the N. face.</p> <p>At the cor. point.</p>

Dependent Resurvey of the N. Bdy. of

5

T. 1 N., R. 18 W.

Chains Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T2N R18W
S35
S2
T1N
1961

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
 Deposit the original cor. alongside the iron post.

N. 89°57' W. beginning new measurement.

9.80 Gravel road, bears irregularly SW. and NE.

33.30 Wash, 20 lks. wide, 2 ft. deep, drains S.

40.09 The original cor. of secs. 2, 3, 34 and 35, monumented by a limestone rock, 10x12x16 ins., firmly set in the ground, and mkd, with 4 notches on the W. and 2 notches on the E. edges.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

T2N R18W
S34|S35
S3|S2
T1N
1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Deposit the original cor. alongside the iron post.

Land, nearly level desert.

Soil, sand and gravel.

Undergrowth, scant, small shadscale.

(Note: from this point, corners are established at regular intervals of 40.00 and 80.00 chains, westing for T. 2 N., R. 18 W., for the reason that the center line of the township may not close on the N. bdy. of the Tp. if initiated from the original cor. of secs. 3, 4, 33 and 34. Original cors. are remonumented for T. 1 N., R. 18 W. only).

S. 89°55' W., along the N. bdy. of sec. 3.

Over gently rolling desert land, through moderate undergrowth.

Asc. 45 ft. over a SE. slope.

9.70 Small rocky knoll.

40.00 Point for the ½ sec. cor. of sec. 34, T. 2 N., R. 18 W. only.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N R18W
½ S34
T1N
1961

Dependent Resurvey of the N. Bdy. of

T: 1 N.; R: 18 W.

Chains	
40.11	<p>The original $\frac{1}{4}$ sec. cor. of secs. 3 and 34, monumented by a limestone rock, 4x8x16 ins., firmly set in the ground, and plainly mkd. $\frac{1}{4}$ on the N. face. This cor. will now refer to sec. 3, T. 1 N., R. 18 W. only.</p> <p>At the cor. point.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 18 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T2N R18E</p> <div style="text-align: center;"> $\frac{1}{4}$ S3 T1N 1961 </div> <p>Deposit the original cor. alongside the iron post.</p> <p style="text-align: center;">_____</p> <p>N. 89°58' W., beginning new measurement.</p>
39.89	<p>Point for the cor. of secs. 33 and 34. T. 2 N.; R. 18 W. only.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T2N R18W <u>S33 S34</u> S3 T1N 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.</p>
40.04	<p>The original cor. of secs. 3, 4, 33 and 34, monumented by a sandstone rock, 4x16x24 ins., firmly set in the ground, and mkd. 3 notches on the E. and W. edges. This cor. will now refer to secs. 3 and 4, T. 1 N., R. 18 W. only.</p> <p>At the cor. point.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T2N R18W <u>S33</u> <u>S4 S3</u> T1N R18W 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.</p> <p>Deposit the original cor. alongside the iron post.</p> <p>Land, nearly level desert. Soil, sand and gravel. Undergrowth, short greasewood and shadscale.</p>
	<p>S. 88°35' W., along the N. bdy. of sec. 4.</p> <p>Over rolling desert land, through moderate undergrowth.</p>
5.80	Wash, 20 lks. wide, 2 ft. deep, drains SE.
14.60	Unimproved dirt road, bears irregularly N. and S.
15.98	Base of large rocky knoll; asc. 300 ft. over a broken E. slope.

Dependent Resurvey of the N. Bdy. of

T. 1 N., R. 18 W.

Chains

39.06

The original $\frac{1}{4}$ sec. cor. of secs. 4 and 33, monumented by a limestone rock, 6x12x12 ins., firmly set in the ground, and plainly mkd. $\frac{1}{4}$ on the N. face. This cor. will now refer to sec. 4, T. 1 N., R. 18 W. only.

At the cor. point.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N

 $\frac{1}{4}$ S4

T1N R18W

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

Deposit the original cor. alongside the iron post.

S. 89°49' W. beginning new measurement.

.80 True point for the $\frac{1}{4}$ sec. cor. of sec. 33, T. 2 N., R. 18 W. falls on the slope of a limestone ledge, where the cor. cannot be perpetuated.

.90 Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 33, T. 2 N., R. 18 W. only.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T2N R18W

 $\frac{1}{4}$ S33 W

C

T1N

1961

Asc. 110 ft. over a SE. slope.

8.20 Crest of S. slope, of knoll; desc. 70 ft. over a W. slope.

11.60 Several mine tunnels bear southerly from 3 to 6 chs. dist., desc. 85 ft. over a W. slope.

24.90 Draw, drains SE.; asc. 95 ft. over a SE. slope.

39.86 The original cor. of secs. 4, 5, 32, and 33, monumented by a limestone rock, 6x10x16 ins., firmly set in the ground, and plainly mkd. with 4 notches on the E. and 2 notches on the W. edges. This cor. will now refer to secs. 4 and 5, T. 1 N., R. 18 W. only.

At the cor. point.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N

 $\frac{3}{4}$ S4

T1N R18W

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Deposit the original cor. alongside the iron post.

Land, rolling and desert mountains.

Soil, sand and gravel.

Dependent Resurvey of the N. Bdy. of

T. 1 N., R. 18 W.

Chains

Undergrowth, short shadscale.

S. $89^{\circ}56'$ W., along the N. bdy. of sec. 5

Over rolling desert land, through short undergrowth.

.94 Point for the cor. of secs. 32 and 33, T. 2 N., R. 18 W. only.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T2N R18W

S32 S33

T1N

1961

Asc. 125 ft. over a SE. slope.

11.50 Low ridge, bears irregularly N. and S.; desc. 20 ft. over a W. slope.

17.60 Wash, 20 lks. wide, 2 ft. deep, drains SW.; desc. 145 ft. over a W. slope.

39.99 The original $\frac{1}{4}$ sec. cor. of secs. 5 and 32, monumented by a limestone rock, 6x8x18 ins., firmly set in the ground, and plainly mkd. $\frac{1}{4}$ on the N. face. This cor. will now refer to sec. 5, T. 1 N., R. 18 W. only.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N

 $\frac{1}{4}$ S5

T1N R18W

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

Deposit the original cor. alongside the iron post.

N. $89^{\circ}59'$ W., beginning new measurement..95 Point for the $\frac{1}{4}$ sec. cor. of sec. 32, T. 2 N., R. 18 W. only.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T2N R18W

 $\frac{1}{4}$ S32

T1N

1961

12.40 North edge of small rocky knoll.

19.40 Wash, 40 lks. wide, 4 ft. deep, drains N. 30° W.

25.30 Wash, 50 lks. wide, 2 ft. deep, drains N.

40.06 The original cor. of secs. 5, 6, 31 and 32, monumented by a limestone rock, 6x8x18 ins., firmly set in the ground, and mkd. with 5 notches on the E. and 1 notch on the W. edge. This cor. will now refer to secs. 5 and 6, T. 1 N., R. 18 W. only.

Dependent Resurvey of the E. Bdy. of

T. 1 N., R. 18 W.

Chains At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N

S6|S5

T1N R18W

1961

Deposit the original cor. alongside the iron post.

Land, rolling desert.

Soil, sand and gravel.

Undergrowth, short shadscale.

S. 89°59' W., along the E. bdy. of sec. 6.

Over rolling desert bench land, through medium undergrowth.

.89 Point for the cor. of secs. 31 and 32, T. 2 N., R. 18 W. only.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N R18W

S31|S32

T1N

1961

2.40 Wash, 30 lks. wide, 4 ft. deep, drains NW.

21.30 North edge of large rocky knoll, bears W. and S.

36.80 Bladed dirt road, bears NE. and SW.

40.07 The original $\frac{1}{4}$ sec. cor. of secs. 6 and 31, monumented by a limestone rock, 8x10x12 ins., firmly set in the ground, and plainly mkd. $\frac{1}{4}$ on the N. face. This cor. will now refer to sec. 6, T. 1 N., R. 18 W. only.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N

 $\frac{1}{4}$ S6

T1N R18W

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

Deposit the original cor. alongside the iron post.

S. 89°59' W., beginning new measurement.

.82 Point for the $\frac{1}{4}$ sec. cor. of sec. 31, T. 2 N., R. 18 W. only.Over a cross (x), cut in solid limestone, set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., in a mound of stone, 4 ft. base, to top, with brass cap mkd.

Dependent Resurvey of the N. Bdy. of

T. 1 N., R. 18 W.

Chains	
	<p>T2N R18W $\frac{1}{4}$ S31 T1N 1961</p>
9.50	Wash, 30 lks. wide, 4 ft. deep, drains N. 30° E., 8 chs. thence NW.
39.40	<p>The original cor. of Tps. 1 and 2 N., Rs. 18 and 19 W., monumented by a limestone rock, 6x8x10 ins., firmly set in the ground, and mkd. with 6 notches on all 4 edges.</p> <p>At the cor. point.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 12 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p>T2N R19W R18W S36 S31 S1 S6 T1N 1961</p> <p>Set a 2 in. T iron rod, 8 ft. long, alongside the iron post.</p> <p>Deposit the original cor. alongside the iron post.</p> <p>Land, desert bench. Soil, sand and broken limestone. Undergrowth, short shadscale.</p>
<p>Survey of a Portion of the Subdivision of T. 2 N., R. 18 W.</p>	
	<p>From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp. N.0°01' W., bet. secs. 35 and 36.</p> <p>Over rolling bench land through medium undergrowth.</p>
13.90	Dirt road, bears irregularly E. and W.; asc. 80 ft. over gently S. slope.
35.00	Base of ledge, bears E. and W.; asc. 70 ft. over S. slope.
37.87	<p>Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 35 and 36.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p>T2N R18W $\frac{1}{4}$ S35 S36 WC 1961</p> <p>Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.</p> <p>Asc. 15 ft. over S. slope.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs 35 and 36 falls on steep S. slope, where cor. cannot be perpetuated.</p> <p>Asc. 30 ft. over broken S. slope.</p>
43.45	Top of ledge bears E. and W.; desc. 300 ft. over broken N. slope.
74.00	Slope changes to W. slope; desc. 20 ft.

Survey of a Portion of the Subdivision of

T. 2 N., R. 18 W.

Chains	
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T2N R18W S26 S25 S35 S36 1961 Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor. Land, desert, mountainous. Soil, clay, with broken and eroded limestone. Undergrowth, medium shadscale.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy of the Tp. monumented by an iron post, 2½ ins. diam., conforming to the record, of the 1960 survey, of the bdy. of T. 2 N., R. 17 W. West, between secs. 25 and 36. Over mountainous land, through moderate undergrowth. Desc. 75 ft. over a broken NW. slope.
10.00	Draw, drains, SW.; desc. 225 ft. over a W. slope.
40.00	Point selected for the witness ¼ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd. T2N R18W WC ¼ 25 36 1961 This cor. is located on a steep W. slope of spur, projecting SW. about 50 lks. from top.
40.09	True point for the ¼ sec. cor. of secs. 25 and 36, falls on the steep face of a limestone point, where the cor. cannot be perpetuated. Desc. 60 ft. over a W. slope.
46.70	Jeep road, bears NE. and SW.; desc. 190 ft. over a W. slope.
75.10	Wash, 10 lks. wide, 5 ft. deep, drains S. 80° W.; desc. 30 ft. over a W. slope.
80.18	The cor. of secs. 25, 26, 35 and 36. Land, broken mountains. Soil, sandy clay, with broken and eroded limestone. Undergrowth, medium shadscale.
	From the cor. of secs. 33 and 34 on the S. bdy. of the Tp. N. 0°02' W., between secs. 33 and 34. Over rolling desert land, through moderate undergrowth. Asc. 25 ft. over a SE. slope.
23.80	Wash, 50 lks. wide, 3 ft. deep, drains S. 20° E.

Survey of a Portion of the Subdivision of

T. 2 N., R. 18 W.

Chains	
33.20	Wash, 30 lks. wide, 2 ft. deep, drains S. 20° E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and $\frac{3}{4}$. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T2N R18W $\frac{1}{4}$ S33 S34 1961 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor. Asc. 80 ft. over gently rolling land.
80.00	Point for the cor. of secs. 27, 28, 33 and $\frac{3}{4}$. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T2N R18W S28 S27 S33 S34 1961 Land, rolling desert bench. Soil, sand and gravel. Undergrowth, medium shadscale.
	N. 0°02' W., between secs. 27 and 28. Over rolling desert land, through scattered undergrowth.
11.30	Draw, drains, SE.; asc. 105 ft. over a SE. slope.
26.65	Summit of small rocky ridge, bears S. 40° E. and N. 40° W.; desc. 110 ft. along a NE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 18 ins. in the ground, with brass cap mkd. T2N R18W $\frac{1}{4}$ S28 S27 1961 Raise a mound of stone, 4 ft. base, 3 ft. high, W. of the cor. Desc. 45 ft. over a NE. changing to N. slope.
46.60	Base of rocky spur, projecting from SW.; desc. 80 ft. over a NW. slope.
80.00	Point for the cor. of secs. 21, 22, 27, and 28. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. T2N R18W S21 S22 S28 S27 1961 Raise a mound of stone, 2 $\frac{1}{2}$ ft. base; 2 ft. high, W. of the cor.

Survey of a Portion of the Subdivision of

T. 2 N., R. 18 W., S. 1 T.

Chains	Land, rolling desert. Soil, sandy gravel. Undergrowth, scattered shadscale.
	N. 0°02' W., between secs. 21 and 22.
	Over rolling desert land, through moderate undergrowth.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T2N R18W S21 S22 1961
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
66.90	Wash, 30 lks. wide, 3 ft. deep, drains W.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T2N R18 W S16 S15 S21 S22 1961
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
	Land, gently rolling desert. Soil, sand and gravel. Undergrowth, medium shadscale.
	N. 0°02' W., between secs. 15 and 16.
	Over nearly level desert land, through medium undergrowth.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T2N R18W S16 S15 1961
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T2N R18W S9 S10 S16 S15 1961
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
	Land, nearly level desert. Soil, sand and gravel. Undergrowth, medium shadscale.

Survey of a portion of the Subdivision of

T. 2 N., R. 18 W.

Chains	N. 0°02' W., between secs. 9 and 10. Over nearly level desert land, through scattered undergrowth.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T2N R18W S9 S10 1961
80.00	Point for the cor. of secs. 3, 4, 9 and 10. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. T2N R18W S4 S3 S9 S10 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor. Land, nearly level desert. Soil, sandy clay. Undergrowth, medium shadscale.
	N. 0°08' E., between secs. 3 and 4. Over nearly level desert land, through scattered undergrowth.
32.00	Jeep road, bears NW. and SE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. T2N R18W S4 S3 1961 Raise a mound of stone, 3 ft. base, 2 ft. high, W., of the cor.
68.90	Bladed road, bears N. 30° E., and S. 20° W.
80.04	The cor. of secs. 3, 4, 33 and 34., on the N. bdy. of the Tp. Land, nearly level desert. Soil, sandy clay. Undergrowth, medium shadscale.
	From the cor. of secs. 1, 2, 35 and 36., on the N. bdy. of the Tp., monumented with a $2\frac{1}{2}$ inch post, set, mkd. and witnessed as described in 1961 field notes of the S. bdy. of T. 3 N., R. 18 W.
	S. 0°01' E., between secs. 1 and 2. Over gently rolling desert land, through moderate undergrowth. Asc. 100 ft. over a NW. drainage.
40.21	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Survey of a portion of the Subdivision of

T. 2 N., R. 18 W.

15

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N R18W

S2|S1
1961

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of the cor.

53.80

Jeep road, bears E. and W.

58.10

Wash, 50 lks. wide, 4 ft. deep, drains W.

80.21

Point for the cor. of secs. 1, 2, 11 and 12, at a point calculated to be between the cor. of secs. 3, 4, 9 and 10, and the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T2N R18W

S2|S1
S11|S12
1961

Land, rolling desert.

Soil, sand and gravel.

Undergrowth, medium shadscale.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., monumented with a $2\frac{1}{2}$ in. iron post, set, mkd., and witnessed as described in the 1961 field notes of the S. bdy. of T. 3 N., R. 18 W.

S. $0^{\circ}02'$ E., between secs. 2 and 3.

Over gently rolling desert bench land, through scattered brush.

40.12

Point for the $\frac{1}{4}$ secs. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T2N R18W

S3|S2
1961

74.60

Jeep road, bears E. and W.

80.12

Point for the cor. of secs. 2, 3, 10 and 11, at a point calculated to be between the cor. of secs. 3, 4, 9 and 10, and the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T2N R18W

S3|S2
S10|S11
1961

Land, gently rolling desert.

Soil, sand and gravel.

Undergrowth, scattered shadscale.

From the cor. of secs. 1, 2, 11 and 12.

Survey of a Portion of the Subdivision of

T. 2 N.; R. 18 W.

Chains.	N. 89°58' W., between secs. 2 and 11. Over rolling desert land, through moderate undergrowth. Desc. 110 ft. over a gentle W. slope.
40.05	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. 14 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd. T2N R18W $\frac{1}{4}$ S2 S11 1961
46.80	Wash, 70 lks. wide, 2 ft. deep, drains N. 70° W.; desc. 105 ft. over a W. slope.
80.10	The cor. of secs. 2, 3, 10 and 11. Land, gently rolling desert. Soil, sand and gravel. Undergrowth, scattered shadscale.
	From the cor. of secs. 15, 16, 21 and 22. West, between secs. 16 and 21. Over nearly level desert land, through medium undergrowth.
40.00.	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. T2N R18W $\frac{1}{4}$ S16 S21 1961
80.00	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor. Point for the cor. of secs. 16, 17, 20 and 21. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. T2N R18W S17 S16 S20 S21 1961 Set a fir post, 4x4 ins., 4 ft. long; 24 ins. in the ground, alongside the iron post. Land, nearly level desert. Soil, sand and gravel. Undergrowth, medium salt brush and shadscale.
40.00	N. 0°03' W., between secs. 16 and 17. Over nearly level desert land, through moderate undergrowth. Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Survey of a portion of the Subdivision of

T. 2 N., R. 18 W., S. 9. T.

Chains	
54.90	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p>T2N R18W S17 S16 1961</p> <p>Raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of the cor.</p> <p>Bladed dirt road, from Wendover, Nevada, along Silver Island Mountains, bears N. 20° E. and S. 20° W.</p>
80.09	<p>Point for the cor. of secs. 8, 9, 16 and 17.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p>T2N R18W S8 S9 S17 S16 1961</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 24 ins. in the ground, alongside the iron post.</p> <p>Land, nearly level desert. Soil, sand and gravel. Undergrowth, medium salt brush and shadscale.</p>
40.00	<p>From the cor. of secs. 9, 10, 15 and 16.</p> <p>S. 89°59' W., between secs. 9 and 16.</p> <p>Over nearly level desert land, through scattered undergrowth.</p> <p>Point for the ¼ sec. cor. of secs. 9 and 16.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p>T2N R18W S9 S16 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.</p>
46.40	<p>Bladed dirt road, from Wendover, Nevada, along Silver Island Mountains, bears N. 20° E., and S. 20° W.</p>
80.00	<p>The cor. of secs. 8, 9, 16 and 17.</p> <p>Land, nearly level desert. Soil, sand and gravel. Undergrowth, medium salt brush and shadscale.</p>
32.50	<p>From the cor. of secs. 32 and 33, on the S. ½ of the township.</p> <p>N. 0°03' W., between secs. 32 and 33.</p> <p>Over mountainous land, through medium undergrowth.</p> <p>Asc. 275 ft. over a SE. slope.</p> <p>Spur, projects E.; desc. 80 ft. along a NE. slope.</p>
41.09	<p>Point for the ¼ sec. cor. of secs. 32 and 33.</p>

Survey of a portion of the Subdivision of

T. 2 N., R. 18 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T2N R18W

S32|S33

1961

Slope, changes to NW. drainage, desc. 195 ft.

56.40

Gully, drains W.; asc. 85 ft. over a S. slope.

81.09

Point for the cor. of secs. 28, 29, 32 and 33, which is on a calculated sectional correction line west of the cor. of secs. 28, 29, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T2N R18W

S29|S28

S32|S33

1961

Land, mountainous.

Soil, clay and broken limestone.

Undergrowth, medium shadscale.

From the cor. of secs. 31 and 32, on the S. bdy. of the township.

N. 0°04' W., between secs. 31 and 32.

Over rolling bench land, through moderate undergrowth.

Desc. 115 ft. along a gentle W. slope.

41.06

Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N R18W

S31|S32

1961

Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the cor.

Desc. 30 ft. over a W. slope.

58.24

Bladed dirt road, bears N. 10° E., and S. 10° W.; desc. 50 ft. over a W. slope.

81.06

Point for the cor. of secs. 29, 30, 31 and 32, which is on a calculated sectional correction line west of the cor. of secs. 28, 29, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N R18W

S30|S29

S31|S32

1961

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of the cor.

Survey of a Portion of the Subdivision of

13

T. 2 N., R. 18 W.

Chains	Land, rolling desert bench. Soil, clay, sand and gravel. Undergrowth, medium shadscale.
	From the cor. of secs. 28, 29, 32 and 33. West, between secs. 29 and 32. Over rolling desert land, through moderate undergrowth. Desc. 45 ft. over a W. slope.
3.30	Wash, 20 lks. wide, 5 ft. deep, drains, SW. desc. 60 ft. over a W. slope.
28.10	Low spur, projects N.; desc. 125 ft. over a W. slope.
36.80	Wash, 50 lks. wide, 4 ft. deep, drains NW.
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T2N R18W $\frac{1}{4}$ S 29 $\frac{1}{4}$ S 32 1961 </div>
	Raise a mound of stone, 4 ft. base, 3 ft. high, N. of the cor. Thence, over nearly level land,
76.50	Bladed dirt road, bears N. 10° E., and S. 10° W.
80.04	The cor. of secs. 29, 30, 31 and 32. Land, mountainous the first $\frac{1}{2}$ mile, gently rolling the balance. Soil, clay, gravel and broken limestone. Undergrowth, medium shadscale.

General Description

A considerable variety of land and soil, is found in Township 2 North, Range 18 West. The soil in the south and east portion consists mostly of a sand and gravel, while the flat lands in the west and north, are a clay, with traces of salt and alkali. There is a medium to scattered growth of salt brush, greasewood and shadscale over most of the township. The general elevation of the township is about 4,200 ft. in the north and west portion, to about 5,000 ft. in the SE. portion. No water was noted in the township and there are no habitations.

Chasus	Land, rolling desert bench. Soil, clay, sand and gravel. Undergrowth, medium shadscale.	
3.30	Desc. 45 ft. over a W. slope. Wash, 20 lks. wide, 5 ft. deep, drains, SW. desc. 60 ft. over a W. slope. Low spur, projects N.; desc. 125 ft. over a W. slope. Wash, 50 lks. wide, 4 ft. deep, drains NW. Point for the $\frac{1}{2}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mhd.	T2N R18W $\frac{1}{2}$ S 29 $\frac{1}{2}$ S 32 1961
40.02	Raise a mound of stone, 4 ft. base, 3 ft. high, N. of the cor.	Thence, over nearly level land, Bladed dirt road, bears N. 10° E., and S. 10° W. The cor. of secs. 29, 30, 31 and 32.
76.50	Land, mountains the first $\frac{1}{2}$ mile, gently rolling the balance. Soil, clay, gravel and broken limestone. Undergrowth, medium shadscale.	General Description A considerable variety of land and soil, is found in Township 2 North, Range 18 West. The soil in the south and east portion consists mostly of a sand and gravel, while the flat lands in the west and north, are a clay, with traces of salt and alkali. There is a medium to scattered growth of salt brush, greasewood and shadscale over most of the township. The general elevation of the township is about 4,200 ft. in the north and west portion, to about 5,000 ft. in the SE. portion. No water was noted in the township and there are no habitations.

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 12th day of July, 1961 I have ~~surveyed~~ independently resurveyed the north boundary of Township 1 North, Range 18 West; and surveyed a portion of the subdivision of Township 2 North, Range 18 West.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
August 3, 1962

Boyd S. Owens
Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., MAY 29 1963, 1963

The foregoing field notes of the ~~surveyed~~ independently resurveyed of the north boundary of Township 1 North, Range 18 West; and the survey of a portion of the subdivision of Township 2 North, Range 18 West.

executed by Boyd S. Owens having been critically examined and found correct, are hereby approved.

E. L. Livingston
Cadastral Engineering Staff Officer,
Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

JUN 6 1961

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE EAST BOUNDARY

OF TOWNSHIP 3 NORTH, RANGE 19 WEST

THE

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY

OF TOWNSHIP 4 NORTH, RANGE 18 WEST

AND THE SURVEY

OF THE SOUTH BOUNDARY

AND A PORTION OF THE SUBDIVISIONAL LINES

OF TOWNSHIP 3 NORTH, RANGE 18 WEST

Of the SALT LAKE Meridian,

in the State of UTAH

EXECUTED BY

Boyd S. Owens - Cadastral Surveyor

Under special instructions dated July 12, 1961, which provided

for the surveys included under Group No. 450, approved July 28, 1961

and assignment instructions dated July 28, 1961

Survey commenced August 14, 1961

Survey completed August 30, 1961

INDEX DIAGRAM

Township 3 NORTH, Range 18 WEST

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Township 3 North, Range 18 West

Chains

The west boundary of T. 3 N., R. 18 W., was surveyed by Edward W. Koeber, in 1887 as the east boundary of T. 3 N., R. 19 W. The north boundary of T. 3 N., R. 18 W., was surveyed by A. P. Hanson, in 1903 as the south boundary of T. 4 N., R. 18 W. The east boundary of T. 3 N., R. 18 W. was surveyed by Boyd S. Owens, in 1960. ~~The south boundary is being surveyed concurrently under this same group and its record is found in the notes of the survey of T. 2 N., R. 18 W.~~

The following field notes are those of the dependent resurvey of the east boundary of T. 3 N., R. 19 W., the dependent resurvey of the south boundary of T. 4 N., R. 18 W., the survey of the south boundary and a portion of the subdivision of T. 3 N., R. 18 W., deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

Before restoring the corners the lines of the original survey were retraced and a diligent search made for any evidence of the original corners, or other calls of field note record. The rules of proportionate measurement were then applied in order to ascertain the position of the lost corners, but not until after every reasonable possibility of finding direct evidence for the control of each particular corner had been exhausted.

The survey was executed with a W. & L. E. Gurley solar transit No. 591189 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximate. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 40° 57' 03" N. and longitude 113° 50' 24" W. as adjusted from traverses to U. S. G. S. triangulation stations within the area

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 17° 15' East.

Dependent Resurvey of the E. Bdy. of T. 3 N., R. 19 W.

Chains

Dependent Resurvey of the East Boundary of Township 3 North, Range 19 West

Reestablishment of the survey executed by Edward W. Koeber in 1887.

From the SE. cor. of T. 3 N., R. 19 W., monumented by a fir post, 4x4x12 ins. above ground, set mkd. and witnessed as described in the official record.

N. 0° 23' E., along the E. bdy. of sec. 36.

Over level, barren desert land.

40.42

The original $\frac{1}{4}$ sec. cor. of secs. 31 and 36, monumented by a quartzite stone, 6x12x16 ins., firmly set in the ground, and mkd. $\frac{1}{4}$ on the W. face. This cor. will now refer to sec. 36, T. 3 N., R. 19 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N R19W $\frac{1}{4}$ S36 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

N. 0° 02' W., beginning new measurement.

40.55

Point for the original cor. of secs. 25, 30, 31 and 36, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to secs. 25 and 36, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

R19W S36 on the SW. face, and

T3N S25 on the NW. face, with

1 notch on the S. edge and

5 notches on the N. edge.

Dig pits, 18x18x12 ins., SW. and NW. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

N. 0° 02' W., along the E. bdy. of sec. 25.

Over level barren desert land.

40.55

Point for the original $\frac{1}{4}$ sec. cor. of secs. 25 and 30, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 25, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N R19W $\frac{1}{4}$ S25 on the W. face.

Dependent Rectangular of the E. Bdy. of T. 3 N., R. 19 W.

Chains

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

68.72 The closing cor. of Tps. 2 and 3 N., R. 18 W., monumented by a fir post, 4x4x12 ins., above ground, hereinafter described.

81.10 Point for the original cor. of secs. 19, 24, 25 and 30, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to secs. 24 and 25, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

R19W S25 on the SW. face and

T3N S24 on the NW. face with

2 notches on the S. and

4 notches on the N. edges.

Dig pits, 18x18x12 ins., SW. and NW. of the post, 5 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

N. 0° 02' W., along the E. bdy. of sec. 24.

Over level barren desert land.

40.55 Point for the original $\frac{1}{4}$ sec. cor. of secs. 19 and 24, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 24, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N R19W $\frac{1}{4}$ S24 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

81.10 Point for the original cor. of secs. 13, 18, 19 and 24, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to secs. 13 and 24 only.

Set a fir, post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

R19W S24 on the SW. face and

T3N S13 on the NW. face with

3 notches on the N. and S. edges.

Dig pits, 18x18x12 ins., SW. and NW. of the post, 5 ft. dist. and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

N. 0° 02' W., along the E. bdy. of sec. 13.

Reconnaissance Survey of the E. Bdy. of T. 3 N., R. 19 W.

Chase

Over level barren desert land.

40.55

Point for the original $\frac{1}{4}$ sec. cor. of secs. 13 and 18, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 13, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N R19W $\frac{1}{4}$ S13 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

81.10

Point for the original cor. of secs. 7, 12, 13 and 18, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to secs. 12 and 13, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

R19W S13 on the SW. face and
T3N S12 on the NW. face with
4 notches on the S. edge and
2 notches on the N. edge.

Dig pits, 18x18x12 ins., SW. and NW. of the post, 5 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

N. 0° 02' W., along the E. bdy. of sec. 12.

Over level barren desert land.

40.55

Point for the original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 12, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N R19W $\frac{1}{4}$ S12 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

81.10

Point for the original cor. of secs. 1, 6, 7 and 12, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to secs. 1 and 12, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

R19W S12 on the SW. face and
T3N S1 on the NW. face with
5 notches on the S. face and
1 notch on the N. face.

Dig pits, 18x18x12 ins., SW. and NW. of the post, 5 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Dependent Resurvey of the E. Bdy. of T. 3 N., R. 19 W.

Chains

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

N. 0° 02' W., along the E. bdy. of sec. 1.

Over level barren desert land.

Point for the original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 1, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N R19W $\frac{1}{4}$ S1 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Leave barren land, enter salt brush and salt grass.

Unimproved dirt road, bears N. 80° W., and S. 80° E.

The original cor. of Tps. 3 and 4 N., Rs. 18 and 19 W., monumented by a quartzite stone, 8x12x14 ins., firmly set in the ground, plainly mkd., with 6 notches on all 4 edges, conforming to the record of the 1903 survey.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T4N
R19W R18W
S36 | S31
S1 | S7
T3N
1961

Set a fir post, 4x4 ins., 4 ft. long, 24 ins. in the ground, 5 lks. S. of the iron post.

Deposit the original cor. alongside the iron post.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, barren the first 57.90 cha., scattered salt brush and salt grass the balance.

Dependent Resurvey of the South Boundary
of Township 4 North, Range 18 West

Reestablishment of the survey executed by A. P. Hanson in 1903.

From the cor. of T. 4 N., Rs. 17 and 18 W., monumented by a fir post, 4x4x24 ins. above ground, and mkd. T4N R17W S31 on the NE. face and T4N R18W S36 on the NW. face.

S. 89° 54' W., along the S. bdy. of sec. 36.

Dependent Rectangular of the S. Bdy. of T. 4 N., R. 18 W.

Chains

40.01

Over level barren desert land.

The original $\frac{1}{4}$ sec. cor. of secs. 1 and 36, monumented by a quartzite stone, 6x10x12 ins., firmly set in the ground, and plainly mkd. $\frac{1}{4}$ on the W. face. This cor. will now refer to sec. 36, T. 4 N., R. 18 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R18W $\frac{1}{4}$ S36 on the N. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Deposit the original cor. alongside the fir post.

N. 89° 54' W., beginning new measurement.

40.00

The original cor. of secs. 1, 2, 35 and 36, monumented by a quartzite stone, 6x8x12 ins., firmly set in the ground, and mkd. with 5 notches on the W. and 1 notch on the east edge; original pits are still visible. This cor. will now refer to secs. 35 and 36, T. 4 N., R. 18 W., only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S36 on the NE. face and
R18W S35 on the NW. face with
5 notches on the W. and
1 notch on the E. edges.

Dig pits, 18x18x12 ins., NE. and NW. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the post.

Deposit the original cor. alongside the fir post.

Land, level desert.

Soil, clay, with traces of alkali.

Vegetation, none.

S. 89° 57' W., along the S. bdy. of sec. 35.

Over level barren desert land.

39.99

Point for the original $\frac{1}{4}$ sec. cor. of secs. 2 and 35, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 35, T. 4 N., R. 18 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R18W $\frac{1}{4}$ S35 on the N. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Dependent Resurvey of the S. Bdy. of T. 4 N., R. 18 W.

Chains

79.98

Point for the original cor. of secs. 2, 3, 34 and 35, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to secs. 34 and 35, T. 4 N., R. 18 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S35 on the NE. face and
R18W S34 on the NW. face with
4 notches on the W. and
2 notches on the E. edges.

Dig pits, 18x18x12 ins., NE. and NW. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Land, level desert.

Soil, clay, with traces of alkali.

Vegetation, none.

S. 89° 57' W., along the S. bdy. of sec. 34.

Over level barren desert land.

39.99

Point for the original $\frac{1}{2}$ sec. cor. of secs. 3 and 34, at proportionate dist.; there is no remaining evidence of the original cor., This cor. will now refer to sec. 34 only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R18W $\frac{1}{2}$ S34 on the N. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

79.98

The original cor. of secs. 3, 4, 33 and 34, monumented by a quartzite stone, 4x10x14 ins. firmly set in the ground, and mkd. with 3 notches on the E. and W. edges. This cor. will now refer to secs. 33 and 34, T. 4 N., R. 18 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, and scribed as follows:

T4N S33 on the NW. face.
R18W S34 on the NE. face with
3 notches on the E. and
3 notches on the W. edges.

Dig pits, 18x18x12 ins., NE. and NW. of the post, 5 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Deposit the original cor. alongside the fir post.

Land, level desert.

Soil, clay, with traces of alkali.

Vegetation, none.

S. 89° 59' W., along the S. bdy. of sec. 33.

Dependent Survey of the Survey of T. 4 N., R. 18 W.

Chains

Over level barren desert land. 80.00

39.99

Point for the original $\frac{1}{4}$ sec. cor. of secs. 4 and 33, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 33, T. 4 N., R. 18 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R18W $\frac{1}{4}$ S33 on the N. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

79.98

The original cor. of secs. 4, 5, 32 and 33 monumented by a quartzite stone, 6x12x12 ins., firmly set in the ground, and mkd. with 4 notches on the E. and 2 notches on the W. edges. This cor. will now refer to secs. 32 and 33, T. 4 N., R. 18 W. only.

At the cor. point.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S33 on the NE. face.

R18W S32 on the NW. face with

4 notches on the E. and

2 notches on the W. edges.

Dig pits, 18x18x12 ins., NE. and NW. of the post, 5 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Deposit the original cor. alongside the fir post.

Land, level desert.

Soil, clay, with traces of alkali.

Vegetation, none.

N. 89° 54' W., along the S. bdy. of sec. 32.

Over level barren desert land.

39.99

The original $\frac{1}{4}$ sec. cor. of secs. 5 and 32, monumented by a quartzite stone, 6x10x12 ins., firmly set in the ground, and mkd. $\frac{1}{4}$ on the N. face, the original pits, are still visible. This cor. will now refer to sec. 32, T. 4 N., R. 18 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R18W $\frac{1}{4}$ S32 on the N. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Deposit the original cor. alongside the fir post.

N. 89° 49' W., beginning new measurement:

Dependent Resurvey of the S. Bdy. of T. 4 N., R. 18 W.

Chains

39.98

Point for the original cor. of secs. 5, 6, 31 and 32, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to secs. 31 and 32, T. 4 N., R. 18 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S32 on the NE. face.

R18W S31 on the NW. face with

5 notches on the E. and

1 notch on the W. edge.

Dig pits, 18x18x12 ins., NE. and NW. of the post, 5 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

N. 89° 49' W. along the S. bdy. of sec. 31.

Over level barren desert land.

39.98

Point for the original $\frac{1}{4}$ sec. cor. of secs. 6 and 31, at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 31, T. 4 N., R. 18 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R18W $\frac{1}{4}$ S31 on the N. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

78.08

The cor. of Tps. 3 and 4 N., Rs. 18 and 19 W., monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., previously set and described.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

Survey of the South Boundary of Township 3 North, Range 18 West

From the cor. of Tps. 2 and 3 N., Rs. 17 and 18 W., monumented with a 2 $\frac{1}{2}$ in. iron post, set, mkd. and witnessed as described in the 1960 field notes of the west boundary of T. 2 N., R. 17 W.

West, bet. secs. 1 and 36.

Over mountainous, desert land through short undergrowth.

Desc. 160 ft. over broken NW. slope.

17.20

Crest of small rocky point, desc. 170 ft. over NW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

Survey of the S. Bdy. of T. 3 N., R. 18 W.

Chains	
	<p>T3N R18W $\frac{1}{2}$ S36 S. 1 T2N 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Desc. 215 ft. over NW. slope.</p>
62.30	Base of spur, projects N. from S. 20° W., desc. 50 ft. over NW. slope.
70.90	Unimproved dirt road, bears N. 20° E. and S. 20° W., desc. 30 ft. over NW. slope.
78.50	Wash, 10 lks. wide, 2 ft. deep, drains NW.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p>T3N R18W S35 S36 S2 S1 T2N 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, mountainous desert. Soil, clay and gravel with broken limestone. Undergrowth, short shadscale.</p>
	<p>West, bet. secs. 2 and 35.</p> <p>Over rolling desert bench land through short undergrowth.</p> <p>Desc. 60 ft. over W. slope.</p>
19.00	Wash, 50 lks. wide, 3 ft. deep, drains N. 80° W., desc. 70 ft. over gentle W. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 35.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.</p> <p>T3N R18W $\frac{1}{2}$ S35 S. 2 T2N 1961</p> <p>Raise a mound of stone, 4 ft. base, 3 ft. high, N. of the cor.</p> <p>Desc. 45 ft. over a gentle W. slope.</p>
59.30	Wash, 40 lks. wide, 4 ft. deep, drains N. 50° W. desc. 60 ft. over a gentle W. slope.

Survey of the S. E. of T. 3 N., R. 18 W.

Chains

- 77.40 Wash, 30 lks. wide, 2 ft. deep, drains NW.
- 80.00 Point for the cor. of secs. 2, 3, 34 and 35.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T3N R18W
S34|S35
S3|S2
T2N
1961
- Land, rolling desert bench.
Soil, clay and gravel.
Undergrowth, short shadscale.
- West, between secs. 3 and 34.
- Over gently rolling desert land, through short undergrowth.
- 4.80 Wash, 10 lks. wide, 2 ft. deep, drains N. 60° W., desc. 80 ft. over a gentle W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
- T3N R18W
S34
S. 3
T2N
1961
- Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
- 60.60 Wash, 15 lks. wide, 1 ft. deep, drains NW.
- 73.40 Bladed road, bears N. 30° E., and S. 30° W.
- 80.00 Point for the cor. of secs. 3, 4, 33 and 34.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
- T3N R18W
S33|S34
S4|S3
T2N
1961
- Set a fir post, 4x4 ins., 4 ft. long, 2 ft. in the ground, 2 lks. W. of the cor.
- Land, gently rolling desert.
Soil, clay and gravel.
Undergrowth, medium shadscale and greasewood.
- West, between secs. 4 and 33.

Survey of the S. Rdy. of T. 3 N., R. 18 W.

Chains	
32.00	Over nearly level desert land, through medium to scattered undergrowth.
40.00	<p>Enter level barren clay flat.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T3N $\frac{1}{2}$S33 on the N. face. T2N S4 on the S. face and R18W on the W. face.</p>
80.00	<p>Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.</p> <p>Point for the cor. of secs. 4, 5, 32 and 33.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T3N S33 on the NE. face, R18W S4 on the SE. face, T2N S5 on the SW. face and S32 on the NW. face with 4 notches on the E. and 2 notches on the W. edges.</p> <p>Dig pits, 18x18x12 ins., NE. and SE., SW. and NW. of the cor., 4 ft. dist.</p> <p>Land, nearly level to level desert. Soil, clay, with traces of alkali. Undergrowth, short shadscale the first 32.00 chs.; barren the balance.</p>
40.00	<p>West, bet. secs. 5 and 32.</p> <p>Over barren flat desert land.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.</p> <p>Set a fir post 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T3N $\frac{1}{2}$S32 on the N. face, T2N S5 on the S. face and R18W on the W. face.</p>
80.00	<p>Dig pits, 18x18x12 ins., E. and W. of the cor., 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high N. of the cor.</p> <p>Point for the cor. of secs. 5, 6, 31 and 32.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T3N S32 on the NE. face, R18W S5 on the SE. face, T2N S6 on the SW. face and S31 on the NW. face with 5 notches on the E. edge and 1 notch on the W. edge.</p>

Survey of the S. Bdy. of T. 3 N., R. 18 W.

Chains

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the cor., 4 ft. dist.

Land, level desert.

Soil, clay, with traces of alkali.

No vegetation.

West, bet. secs. 6 and 31.

Over barren flat desert land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N $\frac{1}{4}$ S36 on the N. face,
T2N S6 on the S. face and
R18W on the W. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00

Point for the $\frac{1}{16}$ sec. cor. of secs. 6 and 31.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N $\frac{1}{16}$ S31 on the N. face,
T2N S6 on the S. face and
R18W 80 on the W. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

100.00

Point for the $\frac{1}{16}$ sec. cor. of secs. 6 and 31.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N $\frac{1}{16}$ S31 on the N. face,
T2N S6 on the S. face and
R18W 100 on the W. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

108.16

Intersect the W. bdy. of the township.

Point for the closing cor. of secs. 6 and 31.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N S31 on the N. face,
T2N S6 on the S. face and
C.C. R18W on the E. face.

Dig pits, 18x18x12 ins., N., E. and S. of the post, 4 ft. dist.

From point of intersection, the cor. of secs. 24 and 25, T. 3 N., R. 19 W., bears N. $0^{\circ} 02' W.$, 12.38 chs. dist., monumented by a fir post, 4x4 ins., 12 ins. above ground, hereinbefore described.

Survey of the S. Bdy. of T. 3 N., R. 18 W.

Chains

Land, level desert.
Soil, clay, with traces of alkali.
Vegetation, none.

Survey of a Portion of the Subdivision
of Township 3 North, Range 18 West

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp.
N. 0° 01' W.; bet. secs. 35 and 36.

Over rolling desert land through moderate undergrowth.

1.00 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.

11.50 Wash, 1.00 ch. wide, 3 ft. deep, drains N. 50° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground,
with brass cap mkd.

T3N R18W

$\frac{1}{4}$

S35|S36

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

42.90 Jeep road, bears N. 80° E. and S. 80° W.

44.60 Wash, 10 lks. wide, 3 ft. deep, drains W.

60.90 Wash, 1.00 ch. wide, 3 ft. deep, drains W.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground,
with brass cap mkd.

T3N R18W

S26|S25

S35|S36

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, gently rolling desert.

Soil, clay, gravel and broken limestone.

Undergrowth, medium shadscale and mountain rush.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.,
monumented by a $2\frac{1}{2}$ in. iron post, set, mkd. and witnessed as des-
cribed in the 1960 field notes of the W. bdy. of T. 3 N., R. 17 W.

N. 89° 59' W., between secs. 25 and 36.

Over rolling desert land, through medium undergrowth.

Section of a portion of the subdivision of T. 3 N., R. 18 W.

Chains

Asc. 30 ft. over a gentle E. slope.

15.40 Summit of small rocky point; desc. 160 ft. over a W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T3N R18W

* S25

S36

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

42.30 Wash, 1 ch. wide, 4 ft. deep, drains NW.; desc. 130 ft. over a W. slope.

66.70 Jeep road, bears N. 40° E. and S. 40° W.; desc. 30 ft. over a W. slope.

80.00 The cor. of secs. 25, 26, 35 and 36.

Land, rolling desert.

Soil, clay and gravel.

Undergrowth, medium mountain rush and shadscale.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp.

N. 0° 02' W., bet. secs. 33 and 34.

Over nearly level desert land, through scattered undergrowth.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N on the N. face,

S34 on the E. face,

R18W on the S. face and

$\frac{1}{4}$ S33 on the W. face

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

40.00 Enter clay flats.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N S27 on the NE. face,

R18W S34 on the SE. face,

S33 on the SW. face and

S28 on the NW. face with

3 notches on the E. and

1 notch on the S. edge.

Dig pits, 18x18x12 ins., NE. and SE., SW. and NW. of the post, 4 ft. dist.

Survey of a Portion of the Subdivision of T. 3 N., R. 18 W.

Chains

Land, gently rolling to level desert.
Soil, sand and clay.
Undergrowth, greasewood and salt brush.

N. 0° 02' W., bet. secs. 27 and 28.

Over level barren desert land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N on the N. face,
S27 on the E. face,
R18W on the S. face and
 $\frac{1}{2}$ S28 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00

Point for the cor. of secs. 21, 22, 27 and 28.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N S22 on the NE. face,
R18W S27 on the SE. face,
S28 on the SW. face and
S21 on the NW. face with
3 notches on the E. and
2 notches on the S. edges.

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

N. 0° 02' W. bet. secs. 21 and 22.

Over level barren desert land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N on the N. face,
S22 on the E. face,
R18W on the S. face and
 $\frac{1}{2}$ S21 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

Set a fir, post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Summary of a Portion of the Subdivision of T. 3 N., R. 18 W.

Chains

T3N S15 on the NE. face,
R18W S22 on the SE. face,
S21 on the SW. face and
S16 on the NW. face with
3 notches on the S. and E. edges.

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over level barren desert land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N on the N. face,
S15 on the E. face,
R18W on the S. face and
 $\frac{1}{4}$ S16 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00

Point for the cor. of secs. 9, 10, 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N S10 on the NE. face,
R18W S15 on the SE. face,
S16 on the SW. face and
S9 on the NW. face with
4 notches on the S. and
3 notches on the E. edges.

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.

Land, level desert.

Soil, clay with traces of alkali and salt.

Vegetation, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over level barren desert land.

16.37

Intersect the N. bdy. of the Tp.

Point for the closing cor. of secs. 9 and 10.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Survey of a Portion of the Subdivision of T. 3 N., R. 18 W.

Chains

S10 on the E. face,
G.C. T3N R18W on the S. face, and
S9 on the W. face.

Dig pits, 18x18x12 ins., E., S, and W., of the post, 4 ft. dist.

From the point of intersection, the $\frac{1}{4}$ sec. cor. of sec. 34, T. 4 N., R. 18 W., monumented by a fir post, previously described, bears, N. 89° 57' E., 10.02 chs. dist.

Land, level desert.

Soil, clay, with traces of alkali and salt.

Vegetation, none.

From the cor. of secs. 15, 16, 21 and 22.

West, between secs. 16 and 21.

Over level barren desert land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

$\frac{1}{4}$ S16 on the N. face,
T3N on the E. face,
S21 on the S. face and
R18W on the W. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00

Point for the cor. of secs. 16, 17, 20 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N S16 on the NE. face.
R18W S21 on the SE. face,
S20 on the SW. face and
S17 on the NW. face with
4 notches on the E. and
3 notches on the S. edges.

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.

Land, level desert.

Soil, muddy clay, with traces of alkali and salt.

Vegetation, none.

N. 0° 03' W., bet. secs. 16 and 17.

Over level barren desert land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Survey of a Portion of the Subdivision of T. 3 N., R. 18 W.

Chains

T3N on the N. face,
S16 on the E. face,
R18W on the S. face and
S17 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and
raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed
as follows:

T3N S9 on the NE. face,
R18W S16 on the SE. face,
S17 on the SW. face and
S8 on the NW. face with
4 notches on the E. and S. edges.

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft.
dist.

Land, level desert.

Soil, clay, with alkali and salt.

Vegetation, none.

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over level barren desert land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set a fir post 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed
as follows:

S9 on the N. face,
T3N on the E. face,
S16 on the S. face and
R18W on the W. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist. and
raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00 The cor. of secs. 8, 9, 16 and 17, previously set and described.

Land, level desert.

Soil, clay, with alkali and salt.

Vegetation, none.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp.

N. 0° 03' W., bet. secs. 32 and 33.

Over level barren desert land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed
as follows:

Survey of a Portion of the Subdivision of T. 3 N., R. 18 W.

Chains

T3N on the N. face,
 S33 on the E. face,
 R18W on the S. face and
 ½S32 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N S28 on the NE. face,
 R18W S33 on the SE. face,
 S32 on the SW. face and
 S29 on the NW. face with
 4 notches on the E. and
 1 notch on the S. edges.

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.

Deposit broken glass at the base of the post.

Land, level desert.

Soil, clay, with traces of alkali.

Vegetation, none.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.

N. 0° 04' W., bet. secs. 31 and 32.

Over level barren desert land.

40.00

Point for the ¼ sec. cor. of secs. 31 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N on the N. face,
 S32 on the E. face,
 R18W on the S. face and
 ½S31 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00

Point for the cor. of secs. 29, 30, 31 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T3N S29 on the NE. face,
 R18W S32 on the SE. face,
 S31 on the SW. face and
 S30 on the NW. face with
 5 notches on the E. and
 1 notch on the S. edges.

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.

Survey of a Portion of the Subdivision of T. 3 N., R. 18 W.

Chains

Land, level desert.
Soil, clay, with traces of alkali.
Vegetation, none.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over level barren desert land.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

$\frac{1}{4}$ S29 on the N. face,
 T3N on the E. face,
 S32 on the S. face and
 R18W on the W. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.02 The cor. of secs. 29, 30, 31 and 32.

Land, level desert.
Soil, clay, with traces of alkali.
Vegetation, none.

General Description

A considerable variety of land and soil, are found in Township 3 North, Range 18 West. The general elevation of the township is about 4,500 ft. above sea level. Most of the southeast portion of the township is rolling bench land, and the soil is a gravelly, sandy, clay, and the balance of the township consists of flat lake bottom land. The soil is clay, with salt and alkali. There is a scattered growth of greasewood, shadscale and salt brush, over the southeast portion of the township. No water was noted within the township, and there are no permanent habitations.

[illegible]

FIELD ASSISTANTS

16-58565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 12th day of July, 1961, I have ~~surveyed~~ independently resurveyed the east boundary of T. 3 N., R. 19 W. and the South boundary of T. 4 N., R. 18 W. and surveyed the south boundary and a portion of the subdivisional lines of T. 3 N., R. 18 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

April 11, 1962

Boyd S. Owens

Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 29 1963, 1963

The foregoing field notes of the ~~survey of~~ independent resurvey of the east boundary of T. 3 N., R. 19 W., the South boundary of T. 4 N., R. 18 W. and the survey of the south boundary and a portion of the subdivisional lines of T. 3 N., R. 18 W.

executed by Boyd S. Owens - Cadastral Surveyor

having been critically examined and found correct, are hereby approved.

E. L. Livingston
Cadastral Engineering Staff Officer.
Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

R571

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

49

Original

FIELD NOTES

Of The

Retracement of the Utah, Nevada Boundary

along the West side of T. 2 N., R. 19 W.

between the 27th and 32nd mile corners.

The

Dependent Resurvey of the North and South Boundaries.

The

Survey of the East Boundary

And

A Portion of the Subdivision of T. 2 N., R. 19 W.

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Boyd S. Owens

Cadastral Surveyor

der special instructions dated July 12, 1961, which provided

the surveys included under Group No. 450, approved July 28, 1961

and assignment instructions dated July 28, 1961

Survey commenced August 8, 1961

Survey completed August 23, 1961

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... and scale, and of the ...

Township 2 North, Range 19 West

Chains

The Utah and Nevada State Line, along the West Boundary of Township 2 North, Range 19 West, of the Salt Lake Meridian Utah, was surveyed by J. M. James in 1870. The South boundary of Township 3 North, Range 19 West, was surveyed by Edward W. Koerber, in 1887, the South boundary of Township 2 North, Range 19 West, was surveyed by Robert E. L. Collier, in 1908. The following field notes are those of a retracement and remonumentation of mile posts found on the Utah and Nevada State Line, between mile posts 32 and 27, along the West boundary of Township 2 North, Range 19 West. The dependent resurvey of the south boundary of Township 3 North, Range 19 West. The dependent resurvey of the south boundary of Township 2 North, Range 19 West. The survey of the east boundary, and a portion of the subdivision of Township 2 North, Range 19 West, deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

Before restoring the corners, the lines of the original survey were retraced and a diligent search made for any evidence of the original corners or other calls of field note record. The rules of proportionate measurement were then applied in order to ascertain the position of lost corners, but not until after every reasonable possibility of finding direct evidence for the control of each particular corner had been exhausted.

The survey was executed with a W. and L. E. Gurley Solar Transit No. 591189 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $40^{\circ}51'49.4''$ North and longitude $113^{\circ}57'15''$ West as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $17^{\circ}15'$ East.

Retracement of the Utah Nevada State Line, along the W. bdy.

T. 2 N., R. 19 W. bet. the 32 and the 27 mile cors.

Chains

Retracement of the Survey Executed by J. E. James in 1870.

The original 32 mile corner on the Utah and Nevada State Boundary, monumented by a decayed cottonwood post, set in a mound of earth, no marks remaining on the post.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

32M
NEV|UT
1961

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Deposit the original cor. alongside the iron post.

N. $0^{\circ}26'$ E., along the Utah and Nevada State Boundary.

Over nearly level desert land, through scant, short undergrowth.

79.89 The original 31 mile cor. on the Utah-Nevada State Boundary monumented by an aspen post, 6 ft. long, 4 ins. diam., set 1 ft. in the ground, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post; 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

31M
NEV|UT
1961

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist.

Deposit the original cor. alongside the iron post.

Land, nearly level desert.

Soil, sandy clay.

Undergrowth, scattered to medium shadscale and salt brush.

N. $0^{\circ}09'$ E., along the Utah and Nevada State Boundary.

Over nearly level desert land, through short undergrowth.

17.90 Low clay raise, bears NE. and SW.

66.00 Wash, 50 lks. wide 4 ft. deep, drains E.

67.04 Fall 4 lks. East of a stone, with a steel fence post set alongside, unable to find any mkd. on the stone. This is probably the closing cor. of secs. 22 and 27, T. 35 N., R. 70 E. M. D. Mer., Nev.

80.10 The original 30 mile cor., on the Utah and Nevada State Boundary, monumented by a Quartsite stone, 8x8x12 ins., firmly set in the ground, and mkd. with a U. on the E. face and a N. on the W. face.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

M 30 on the north face.
Utah on the east face.
Nev. on the west face.

Retracement of the Utah-Nevada State Line, along the W. bdy.

T. 2 N., R. 19 W. bet. the 32 and the 27 mile cprs.

Chains	<p>Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist.</p> <p>Deposit the original cor. alongside the fir post.</p> <p>Land, nearly level desert.</p> <p>Soil, sandy clay.</p> <p>Undergrowth, scant salt brush.</p>
67.03	<p>N. 0°11' E., along the Utah and Nevada State Boundary.</p> <p>Over level desert land, covered with a scant growth of salt brush.</p> <p>Fall 4 lks. W., of a cedar post, firmly set in the ground, with dim illegible scribe mks. on the E. face, an unmarked stone and a steel fence post, set alongside the cedar post. This is probably the closing cor. of secs. 15 and 22, T. 35 N., R. 70 E. M. D. Mer., Nev.</p> <p>Continue the same line.</p>
80.00	<p>No remaining evidence of the original 29 mile cor. could be found.</p> <p>Land, level desert.</p> <p>Soil, alkaline clay.</p> <p>Undergrowth, scant, short salt brush.</p>
67.17	<p>N. 0°11' E., along the Utah and Nevada State Boundary.</p> <p>Over level desert land, no vegetation.</p> <p>Fall 3 lks. west of an unmarked stone, the remains of pits, are visible to the N. S. and W., this is probably the closing cor. of secs. 10 and 15, T. 35 N., R. 70 E., M. D. Mer., Nev.</p> <p>Continue the same line.</p>
80.00	<p>No remaining evidence of the original 28 mile cor. could be found.</p> <p>Land, level desert.</p> <p>Soil, clay alkiline.</p> <p>Vegetation, none.</p>
3.23	<p>N. 0°11' E., along the Utah and Nevada State Boundary.</p> <p>Over level desert land, no vegetation.</p> <p>The closing cor. of secs. 8 and 32, Tps. 2 and 3 N., R. 19 W., hereinafter described.</p>
21.10	<p>Leave barren flat, enter moderate salt brush.</p>
51.20	<p>Leave flat, ascend a slight SE. slope.</p>
67.18	<p>A stone, 6x10x18 ins. above ground, firmly set, and mkd. CC on the W. face, 1 notch on the N. and 5 notches on the S. edges. This is apparently the closing cor. of secs. 3 and 10, T. 35 N., R. 70 E., M. D. Mer., Nev.</p>
80.10	<p>The 27 mile cor., monumented by a limestone rock, 6x12x24 ins. above ground, firmly set and mkd. U. on the E., N. on the W., and 27 on the S. face.</p>

Retracement of the Utah Nevada State Line, along the W. bdy.

T. 2 N., R. 19 W. bet. the 32 and the 27 mile cors.

Chains

(Note: The original field notes of the Utah, Nevada Boundary, describe this cor. as a wooden post, and mkd. for mile post No. 28, rather than No. 27). The stone monument presumably established in connection with adjoining Nevada Surveys.

Land, level desert.
Soil, alkaline clay.
Undergrowth, scant salt brush.

Dependent Resurvey of the S. bdy. of

T. 2 N., R. 19 W., SLM, Utah

Reestablishment of the Survey Executed by R. E. L. Collier in 1908.

From the cor. of Tps. 1 and 2 N., Rs. 18 and 19 W., monumented by an iron post, $2\frac{1}{2}$ ins. diam., set mkd. and witnessed as described in the record of the survey of the S. bdy. of T. 2 N., R. 18 W.

S. $89^{\circ}59'$ W., between secs. 1 and 36.

Over gently rolling and nearly level desert land, covered with a scattered growth of shadscale.

17.30 Wash, 30 lks. wide, 5 ft. deep, drains N. 30° W.39.99 The original $\frac{1}{4}$ sec. cor. of secs. 1 and 36, monumented by a limestone rock, 6x10x16 ins., firmly set in the ground, and mkd. $\frac{1}{4}$ on the N. face.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N R19W

 $\frac{1}{4}$ S36

S1

T1N

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Deposit the original cor. alongside the iron post.

S. $89^{\circ}58'$ W. beginning new measurement.

24.00 Bladed road, bears NE. and SW.

34.90 Wash, 10 lks. wide, 2 ft. deep, drains NW.

39.99 The original cor. of secs. 1, 2, 35 and 36, monumented by a sandstone rock, 10x14x20 ins., firmly set in the ground, and mkd. with 5 notches on the W. and 1 notch on the E. edges.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Department of the Interior

T. 2 N., R. 19 W.

Chains	<p>T2N R19W S35/S36 S2/S2 T1N 1961</p> <p>Deposit the original cor., and broken glass alongside the iron post.</p> <p>Land, gently rolling bench.</p> <p>Soil, sandy clay.</p> <p>Undergrowth, scant shrubs.</p>
	<p>S. 89°58' W., between secs. 2 and 35.</p> <p>Over gently rolling bench land, through moderate undergrowth.</p>
19.20	Wash, 30 lks. wide, 10 ft. deep, drains N. 20° W.
39.98	<p>The original $\frac{1}{4}$ sec. cor. of secs. 2 and 35, monumented by a limestone rock; 6x8x12 ins., firmly set in the ground, and mkd. $\frac{1}{4}$ on the N. face.</p> <p>At the cor. point.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p>T2N R19W S35 S2 T1N 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high; N. of the cor.</p> <p>Deposit the original cor. alongside the iron post.</p>
	<p>S. 89°56' W., beginning new measurement.</p>
21.00	Wash, 20 lks. wide, 4 ft. deep, drains NW.
40.02	<p>The original cor. of secs. 2, 3, 34 and 35, monumented by a limestone rock, 6x10x20 ins., firmly set in the ground, and mkd. 4 notches on the W., and 2 notches on the E. edges.</p> <p>At the cor. point.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p>T2N R19W S34/S35 S3/S2 T1N 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Deposit the original cor. alongside the iron post.</p> <p>Land, nearly level desert.</p> <p>Soil, sandy clay.</p> <p>Undergrowth, scant shrubs and greasewood.</p>

Dependent Recurvey of the S. Ely. of

T. 2 N., R. 39 W.

Chains

West, between secs. 3 and 34.

Over gently rolling bench land, through moderate undergrowth.

40.01 The original $\frac{1}{2}$ sec. cor. of secs. 3 and 34, monumented by a limestone rock, 8x14x20 ins., firmly set in the ground, and plainly mkd. $\frac{1}{2}$ on the N. face.

At the cor. point.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N R19W

S34S3

T1N

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor..

Deposit the original cor. alongside the iron post.

S. 89°57' beginning new measurement.

12.00 Wendover City, Nevada, water line, and dirt road, bears N. and S.

34.10 Wash, 20 lks. wide, 2 ft. deep, drains N.

39.99 The original cor. of secs. 3, 4, 33 and 34, monumented by a Quartzite stone, 6x12x16 ins., firmly set in the ground, and plainly mkd., with 3 notches on the E. and W. edges.

At the cor. point.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N R19W

S33 S34S4 S3

T1N

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor..

Deposit the original cor. alongside the iron post...

Land, gently rolling desert bench.

Soil, sand and gravel.

Undergrowth, medium shradscale and greasewood.

S. 89°56' W., between secs. 4 and 33.

Over gently rolling bench land, through moderate undergrowth.

40.00 The original $\frac{1}{2}$ sec. cor. of secs. 4 and 33, monumented by a limestone rock, 6x10x16 ins., set 12 ins. below the surface of the ground and plainly mkd. $\frac{1}{2}$ on the N. face.

At the cor. point.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

Dependent Resurvey of the S. Bdy. of

T. 2 N., R. 19 W.

Chains	
	<p>T2N R19W $\frac{1}{4}$ S33 $\frac{1}{4}$ S4 T1N 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.</p> <p>Deposit the original cor. alongside the iron post.</p> <hr/> <p>S. 89°56' W.</p>
80.00	<p>The original cor. of secs. 4, 5, 32 and 33, monumented by a limestone rock, 12x12x14 ins., firmly set in the ground, and mkd., with 4 notches on the E. and 2 notches on the W. edges.</p> <p>At the cor. point.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p>T2N R19W S32/S33 S5/S4 T1N 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Deposit the original cor. alongside the iron post.</p> <p>Land, gently rolling desert land. Soil, sandy, gravel. Undergrowth, medium shadscale and greasewood.</p>
	<p>S. 89°53' W., between secs. 5 and 32.</p> <p>Over nearly level desert bench land, through moderate undergrowth.</p>
40.03	<p>The original $\frac{1}{4}$ sec. cor. of secs. 5 and 32, monumented by a limestone rock, 4x6x16 ins., firmly set in the ground, and mkd. $\frac{1}{4}$ on the N. face.</p> <p>At the cor. point.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p>T2N R19W $\frac{1}{4}$ S32 $\frac{1}{4}$ S5 T1N 1961</p> <p>Raise a mound of gravel, 3 ft. base, 2 ft. high, N. of the cor.</p> <p>Deposit the original cor. alongside the iron post.</p> <hr/> <p>N. 89°46' W., beginning new measurement.</p>
6.71	<p>The original closing cor. of Tps. 1 and 2 N., R. 19 W., monumented by a partially decayed wooden post, with dim scribe mks. on the E. face.</p> <p>At the cor. point.</p>

Dependent Resurvey of the S. Bdy. of

T. 2 N., R. 19 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N
R19W
S32 C
NEV S5 C
T1N
1961

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of the cor.

Deposit the original cor. alongside the iron post.

From the point of intersection, mile post 32, previously described bears N. $0^{\circ} 26'$ E., 9.78 chs. dist.

Land, nearly level desert bench.

Soil, sandy gravel.

Undergrowth, medium shadscale and greasewood.

Dependent Resurvey of the S. Bdy. of

T. 3 N., R. 19 W.

Reestablishment of the survey executed by Edward W. Koeber in 1887, with original cors. remonumented to function for T. 3 N., R. 19 W. only.

The original cor. of Tps. 2 and 3 N., Rs. 18 and 19 W., monumented by a limestone rock, 4x12x18 ins., firmly set in the ground, and mkd. with 6 notches on the N., S., E., and the W., edges. This cor. will now refer to T. 3 N., R. 19 W., only.

At the cor. point.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T3N R19W S36 on the NW. face.

Raise a mound of earth, 3 ft. base, 2 ft. high, NW. of the cor.

Deposit the original cor. alongside the iron post.

N. $89^{\circ} 44'$ W., along the S. bdy. of sec. 36.

Over level desert land, no vegetation.

40.29 Point for the original $\frac{1}{4}$ sec. cor. of secs. land 36, at proportionate distance; there is no remaining evidence of the original cor. This cor. will now function as the $\frac{1}{4}$ sec. cor. of sec. 36, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T3N R19W $\frac{1}{4}$ S36 on the N. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.

40.58 Point for original cor. of secs. 1, 2, 35 and 36, at proportionate distance; there is no remaining evidence of the original cor. This cor. will now function as the cor. of secs. 35 and 36, T. 3 N., R. 19 W. only.

T. 3 N., R. 19 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T3N S36 on the NE. face.

R19W S35 on the NW. face, with

1 notch on the E., and

5 notches on the W. edges.

Dig pits, 18x18x12 ins., NE. and NW. of the post, 5 ft. dist.

Land, level desert.

Soil, clay with traces of salt and alkali.

Vegetation, none.

N. 89°44' W., along the S. bdy. of sec. 35.

Over level desert land, no vegetation.

40.29

Point for the original $\frac{1}{4}$ sec. cor. of secs. 2 and 35, at proportionate distance; there is no remaining evidence of the original cor. This cor. will now function as the $\frac{1}{4}$ sec. cor. of sec. 35, T. 3 N., R. 19 W. only. Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T3N R19W $\frac{1}{4}$ S35 on the N. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.58

Point for the original cor. of secs. 2, 3, 34 and 35, at proportionate distance; there is no remaining evidence of the original cor. This cor. will now function as the cor. of secs. 34 and 35, T. 3 N., R. 19 W. only.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T3N S35 on the NE. face,
R19W S34 on the NW. face, with
2 notches on the E., and
4 notches on the W. edges.

Dig pits, 18x18x12 ins., NE. and NW. of the post, 5 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Land, level desert.

Soil, clay, with traces of salt and alkali.

Vegetation, none.

N. 89°44' W., along the S. bdy. of sec. 34.

Over level desert land, no vegetation.

18.90

Leave barren flat, enter medium salt brush.

36.20

Leave salt brush, enter barren flat.

37.10

Dirt road, bears N. and S.

38.55

Wendover City, Nevada water lines bear N. and S.

60

Dependent Resurvey of the S. Bdy. of

T. 3 N., R. 19 W.

Chains

- 40.29 Point for the original $\frac{1}{4}$ sec. cor. of secs. 3 and 34, at proportionate distance, there is no remaining evidence of the original cor. This cor. will now function as the $\frac{1}{4}$ sec. cor. of sec. 34, T. 3 N., R. 19 W. only.
- Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.
- T3N R19W $\frac{1}{4}$ S34 on the N. face.
- Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.
- Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.
- 80.58 Point for the original cor. of secs. 3, 4, 33 and 34, at proportionate distance; there is no remaining evidence of the original cor. This cor. will now function as the cor. of secs. 33 and 34, T. 3 N., R. 19 W. only.
- Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.
- T3N S34 on the NE. face,
R19W S33 on the NW. face, with
3 notches on the E. and
3 notches on the W. edges
- Dig pits, 18x18x12 ins., NE. and NW. of the post, 5 ft. dist.
- Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.
- Land, flat desert.
Soil, clay, with traces of salt and alkali.
Undergrowth, one patch of salt brush in the first $\frac{1}{2}$ mile, barren desert the balance.
-
- N. 89°44' W., along the S. bdy. of sec. 33.
- Over level desert land, no vegetation.
- 40.29 Point for the original $\frac{1}{4}$ sec. cor. of secs. 4 and 33, at proportionate distance; there is no remaining evidence of the original cor. This cor. will now function as the $\frac{1}{4}$ sec. cor. of sec. 33, T. 3 N., R. 19 W. only.
- Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.
- T3N R19W $\frac{1}{4}$ S33 on the N. face.
- Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.
- Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.
- 80.58 The original cor. of secs. 4, 5, 32 and 33, monumented by a wooden post, firmly set in the ground, and plainly mkd. with 4 notches on the E. and 2 notches on the W. edges.
- (Note: the original field notes describe this cor. as a stone).
- At the cor. point.
- Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

Dependent Resurvey of the S. Bdy. of

T. 3 N., R. 19 W.

Chains

T3N S33 on the NE. face,
R19W S32 on the NW. face, with
4 notches on the E. and
2 notches on the W. edges.

Dig pits, 18x18x12 ins., NE. and NW. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Land, level desert.

Soil, clay, with traces of salt and alkali.

Vegetation, none.

N. 89°54' W., along the S. bdy. of sec. 32.

12.60 The original closing cor. of secs. 8 and 32, on the Utah-Nevada State line, monumented by a Quartzsite stone, 6x8x10 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T3N S32 on the N. face,
CC R19W on the E. face,
T2N S8 on the S. face and
Nev. on the W. face.

Dig pits, 18x18x12 ins., N., E. and S. of the post, 4 ft. dist.

Deposit the original cor. alongside the fir post.

From the point of intersection, the mile post 30, previously described bears S. 0° 11' W., 163.23 chs. dist.

Land, level desert,

Soil, clay, with traces of salt and alkali.

Vegetation, none.

Survey of the E. Bdy. of

T. 2 N., R. 19 W.

From the cor. of Tps. 1 and 2 N., Rs. 18 and 19 W., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the record of the survey of the S. bdy. of T. 2 N., R. 18 W.

N., along the E. bdy. of sec. 36

Over gently rolling bench land, through moderate brush.

40.00 Point for the ¼ sec. cor. of sec. 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N
R19W | R18W

S36

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

44.90 Wash, 30 lks. wide, 4 ft. deep, drains N. 80° W.

Survey of the E. Bdy. of

T. 2 N., R. 19 W.

Chains	
80.00	<p>Point for the cor. of secs. 25 and 36.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T2N R19W R18W <u>S25</u> S36 1961</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, gently rolling desert bench. Soil, sand and gravel. Undergrowth, medium shadscale and greasewood.</p>
40.00	<p>N. along the E. bdy. of sec. 25.</p> <p>Over gently rolling desert land, through moderate undergrowth.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of sec. 25.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T2N R19W R18W <u>$\frac{1}{4}$</u> S25 1961</p>
80.00	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Point for the cor. of secs. 24 and 25.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <p style="text-align: center;">T2N S24 on the NW. face, R19W S25 on the SW. face, with 4 notches on the N. and 2 notches on the S. edges.</p> <p>Dig pits, 18x18x12 ins., NW. and SW. of the post, 4 ft. dist.</p> <p>Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Deposit broken glass at the base of the cor:</p> <p>Land, nearly level desert. Soil, sand and gravel. Vegetation, medium shadscale and salt brush.</p>
26.80	<p>N. along the E. bdy. of sec. 24.</p> <p>Over nearly level desert land, through scant undergrowth.</p> <p>Enter clay flat, void of vegetation.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of sec. 24.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <p style="text-align: center;">T2N R19W $\frac{1}{4}$S24 on the W. face.</p>

Survey of the E. Bdy. of

T. 2. N. R. 19. W. S. 2

Chains

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 13 and 24.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T2N S13 on the NW. face,

R19W S24 on the SW. face, with

3 notches on the N. and

3 notches on the S. edges.

Dig pits, 18x18x12 ins., NW. and SW. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Deposit broken glass, at the base of the post.

Land, nearly level desert land,

Soil, clay, with traces of salt and alkali.

Vegetation, scant salt brush the first 26.80 chs., barren the balance.

N. along the E. bdy. of sec. 13.

Over level desert land, no vegetation.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 13.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T2N R19W $\frac{1}{4}$ S13 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 12 and 13.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T2N S12 on the NW. face,

R19W S13 on the SW. face, with

2 notches on the N. and

4 notches on the S. edges.

Dig pits, 18x18x12 ins., NW. and SW. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Deposit broken glass, at the base of the post.

Land, level desert.

Soil, clay, with traces of salt and alkali.

Vegetation, none.

N. along the E. bdy. of sec. 12.

Over level desert land, no vegetation.

Survey of the E. Bdy. of

T. 2 N., R. 19 W.

Chains

11.44

Point for the NE. cor. of T. 2 N., R. 19 W. at a point 30.08 chs. E. of the SE. cor. of T. 3 N., R. 19 W., in accordance with the special instructions.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T2N R19W S12 on the SW. face.

Dig pits, 18x18x12 ins., S. and W. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, SW. of the cor.

Land, level desert.

Soil, clay, with traces of salt and alkali.

Vegetation, none.

Survey of a portion of the Subdivision of

T. 2 N., R. 19 W.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp.

N. 0°01' W. between secs. 35 and 36.

Over gently rolling desert bench land, through moderate undergrowth.

6.50

Wash, 30 lks. wide, 2 ft. deep, drains N. 70° W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T2N R19W

$\frac{1}{4}$
S35|S36
1961

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N R19W

S26|S25
S35|S36

Raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 2 ft. high, W. of the cor.

Land, gently rolling desert.

Soil, sand and gravel.

Undergrowth, medium shadscale and greasewood.

From the cor. of secs. 25 and 36 on the E. bdy. of the Tp.

S. 89°59' W., between secs. 25 and 36.

Over gently rolling desert bench land, through medium undergrowth.

39.98

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Survey of a portion of the Subdivision of

T. 2 N. R. 19 W. S. 3

Chains	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T2N R19W S25 S36 1961
44.50	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor. Low sand ridge, bears N. and S.
79.96	The cor. of secs. 25, 26, 35 and 36. Land, gently rolling desert bench. Soil, sand and gravel. Undergrowth, medium shadescale and greasewood.
40.00	From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp. N. 0°02' W. between secs. 33 and 34. Over nearly level desert land, through moderate undergrowth. Point for the ¼ sec. cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T2N R19W S33 S34 1961
80.00	Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist. Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor. Point for the cor. of secs. 27, 28, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T2N R19W S28 S27 S33 S34 1961
40.00	Dig pits, 18x18x12 ins., N., S., E. and W. of the post, 4 ft. dist. Deposit broken glass at the base of the post. Land, nearly level desert. Soil, sand and clay. Vegetation, medium salt brush. N. 0°02' W. between secs. 27 and 28. Over level desert land, through moderate undergrowth. Point for the ¼ sec. cor. of secs. 27 and 28. Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows. T2N on the N. face, S27 on the E. face, R19W on the S. face, and S28 on the W. face.

Survey of a portion of the Subdivision of

T. 2 N., R. 19 W. .

Chains	<p>Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist.</p> <p>Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>From the above cor. U. S. G. S. B. M. no. L83, monumented with a 3$\frac{1}{2}$ in. brass tablet, set in concrete, bears N. 78°54'30" E. 22.73 chs. dist., mkd.</p> <div style="text-align: center;"> L83 + 1958 </div> <p>Enter barren clay flats.</p> <p>80.00 Point for the cor. of secs. 21, 22, 27 and 28.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <div style="text-align: center;"> T2N S22 on the NE. face, R19W S27 on the SE. face, S28 on the SW. face, and S21 on the NW. face, with 3 notches on the E. and 2 notches on the S. edges. </div> <p>Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.</p> <p>Deposit broken glass at the base of the post.</p> <p>Land, level desert. Soil, an alkaline clay. Vegetation, none the second $\frac{1}{2}$ mile, moderate salt brush the first.</p>
	<p>N. 0°02' W., between secs. 21 and 22.</p> <p>Over flat barren desert land.</p> <p>40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <div style="text-align: center;"> T2N on the N. face, S22 on the E. face, R19W on the S. face, and $\frac{1}{4}$S21 on the W. face. </div> <p>Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist.</p> <p>Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>80.00 Point for the cor. of secs. 15, 16, 21 and 22.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <div style="text-align: center;"> T2N S15 on the NE. face, R19W S22 on the SE. face, S21 on the SW. face and S16 on the NW. face. </div> <p>Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.</p> <p>Deposit broken glass at the base of the post.</p>

Survey of a portion of the Subdivision of

T. 2. N., R. 19. W.

Chains	Land, level desert. Soil, alkaline clay. Vegetation, none.
	N. 0°02' W. between secs. 15 and 16.
	Over barren desert land.
26.00	Leave barren land, enter moderate salt brush.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. T2N R19W S16 S15 1961
	Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.
79.90	Leave salt brush undergrowth, enter barren flats.
80.00	Point for the cor. of secs. 9, 10, 15 and 16. Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows. T2N S10 on the NE. face, R19W S15 on the SE. face, S16 on the SW. face, and S9 on the NW. face, with 2 notches on the N. and 4 notches on the S. edges. Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist. Deposit broken glass at the base of the post.
	Land, level desert. Soil, clay, with traces of alkali. Vegetation, none the first 26.00 chs., moderate salt brush the balance.
	N. 0°02' W. between secs. 9 and 10.
	Over level desert land, through widely scattered undergrowth.
12.45	Intersect the N. bdy. of the township. Point for the closing cor. of secs. 9 and 10. Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows. S10 on the E. face, CC T2N R19W on the S. face, and S9 on the W. face. Dig pits, 18x18x12 ins., E., S, and W. of the post, 4 ft. dist. Deposit broken glass, at the base of the post.

Survey of a portion of the Subdivision of

T. 2-N., R. 19-W.

Chains

From this cor., the $\frac{1}{4}$ sec. cor. of sec: 34, T. 3 N., R. 19 W., bears S. $89^{\circ}44'$ E., 8.45 chs. dist., previously described.

Land, level desert.

Soil, clay, with traces of alkali.

Vegetation, widely scattered salt brush.

From the cor. of secs. 15, 16, 21 and 22.

S. $89^{\circ}56'$ W., between secs. 16 and 21.

Over level desert land, void of vegetation.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

$\frac{1}{4}$ S16 on the N. face,
T2N on the E. face,
S21 on the S. face and
R19W on the W. face.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T2N S16 on the NE. face,
R19W S21 on the SE. face,
S20 on the SW. face, and
S17 on the NW. face, with
3 notches on the S. and
4 notches on the E. edges.

Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.

Land, level desert.

Soil, clay, with traces of alkali.

Vegetation, none.

N. $0^{\circ}03'$ W. between secs. 16 and 17.

Over level desert land, void of vegetation.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.

T2N on the N. face,
S16 on the E. face,
R19W on the S. face, and
 $\frac{1}{4}$ S17 on the W. face.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist.

Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Survey of the portion of the subdivision of

T. 2 N. 2 E. 19 N. 1 E.

Chains	
80.00	<p>Point for the cor. of secs. 8, 9, 16 and 17. Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <p>T2N S9 on the NE. face, R19W S16 on the SE. face, S17 on the SW. face, and S8 on the NW. face, with 4 notches on the S. and 4 notches on the E. edges.</p> <p>Dig pits, 18x18x12 ins., NE., SW., SE. and NW., of the post, 4 ft. dist.</p> <p>Land, level desert. Soil, clay, with traces of alkali. Vegetation, none.</p>
40.00	<p>From the cor. of secs. 9, 10, 15 and 16. S. 89°56' W., between secs. 9 and 16.</p> <p>Over level desert land, void of vegetation.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <p>$\frac{1}{4}$S9 on the N. face, T2N on the E. face, S16 on the S. face, and R19W on the W. face.</p> <p>Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.</p> <p>Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.</p> <p>80.00 The cor. of secs. 8, 9, 16 and 17.</p> <p>Land, level desert. Soil, clay, with traces of alkali. Vegetation, none.</p>
40.00	<p>From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the T. N, 0°03' W., between secs. 32 and 33.</p> <p>Over nearly level desert land, through moderate undergrowth.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <p>T2N on the N. face, S33 on the E. face, R19W on the S. face, and $\frac{1}{4}$S32 on the W. face.</p> <p>Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist.</p> <p>Raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p>

Survey of a portion of the Subdivision of

T. 2.N., R. 19.W.

Chains	
80.00	<p>Point for the cor. of secs. 28, 29, 32 and 33.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <p style="padding-left: 40px;">T2N S28 on the NE. face, R19W S33 on the SE. face, S32 on the SW. face, and S29 on the NW. face, with 4 notches on the E. and 1 notch on the S. edges.</p> <p>Dig pits, 18x18x12 ins., NE., SE., SW. and NW. of the post, 4 ft. dist.</p> <p>Land, nearly level desert. Soil, clay with traces of alkali. Vegetation, medium salt brush and greasewood.</p>
40.00	<p>W. between secs. 29 and 32.</p> <p>Over nearly level desert land, through medium undergrowth.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <p style="padding-left: 40px;">$\frac{1}{4}$S29 on the N. face, T2N on the E. face, S32 on the S. face, and R19W on the W. face.</p> <p>Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.</p> <p>Raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.</p>
46.11	<p>Intersect the W. bdy. of the township (Utah and Nevada State line).</p> <p>Point for the closing cor. of secs. 29 and 32.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows.</p> <p style="padding-left: 40px;">S29 on the N. face, CC T2N R19W on the E. face, S32 on the S. face, and NEV. on the W. face.</p> <p>Dig pits, 18x18x12 ins., N., E. and S. of the post, 4 ft. dist.</p> <p>From this cor., the 31 mile post on the Utah and Nevada State boundary, monumented by an iron post, 2$\frac{3}{4}$ ins. diam., previously described, bears N. 0°26' E. 9.62 chs. dist..</p> <p>Land, nearly level desert. Soil, clay, with traces of alkali. Vegetation, medium salt brush and greasewood.</p>

General Description

A considerable variety of land and soil, are found in Township 2 North, Range 19 West. The general elevation of the township is about 4500 ft. Most of the Southern portion of the township is a gravelly,

Survey of a portion of the Subdivision of

T. 2 N., R. 19 W.

Chains

sandy clay, and the central and northern portion, consists of clay, with salt and alkali. There is a scattered to medium growth of salt brush, shadscale and greasewood, over about $\frac{1}{2}$ of the township. The drainage is all to the northwest. No water was noted within the township, and there are no permanent habitations.

The following table shows the number of persons in the United States in 1960

by race and sex

Chains	The following table shows the number of persons in the United States in 1960 by race and sex	Total

Blank

Page

FIELD ASSISTANTS

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 12th day of July, 1961 I have ~~surveyed~~ retraced the Utah, Nevada boundary, along the West side of Township 2 North, Range 19 West, between the 27th and 32nd mile corners; dependently resurveyed the North and South boundaries; surveyed the East boundary; and surveyed a portion of the subdivision of Township 2 North, Range 19 West.

of the Salt Lake Meridian, in the State of Utah; which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

August 14, 1962

Boyd S. Owens

Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 29 1963, 1963

The foregoing field notes of the ~~survey of~~ retracement of the Utah, Nevada Boundary, along the West side of Township 2 North, Range 19 West, between the 27th and 32nd mile corners; dependent resurvey of the North and South boundaries; survey of the East boundary; and portion of the subdivision of Township 2 North, Range 19 West. executed by Boyd S. Owens

having been critically examined and found correct, are hereby approved.

E. E. Livingston
Cadastral Engineering Staff Officer,
Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

75

ORIGINAL

RECORDED 100.0

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE WEST BOUNDARY

AND THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 21 SOUTH, RANGE 21 EAST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Glen B. Hatch, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated September 16, 19 58, which provided

for the surveys included under Group No. 424, approved September 30, 1958

and assignment instructions dated April 24, 19 61

Survey commenced May 3, 19 61

Survey completed June 26, 19 61

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Township 21 SOUTH, Range 21 EAST

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GPO 866118

Glen B. Hatch _____

Fred R. Chappell _____

Township 21 South, Range 21 East

Chains

The north boundary, or the Fourth Standard Parallel South, T. 21 S., R. 21 E., was surveyed by A. D. Ferron in 1884, was resurveyed by Lewis and Blossom in 1898, and independently resurveyed by Andrew Nelson in 1919. The west boundary was surveyed by A. D. Ferron in 1884, and was resurveyed by Lewis and Blossom in 1898. The south boundary was surveyed by Charles F. Moore in 1933. The east boundary was surveyed by Robert C. Yundt in 1936.

The following field notes are those of the dependent resurvey of the east boundary of T. 21 S., R. 20 E. and the survey of a portion of the subdivision of T. 21 S., R. 21 E., deemed sufficient in extent to facilitate development of the natural resources and to mark the boundaries of those sections that are normally considered state school sections.

Before restoring the corners, the lines of the original survey were retraced and a diligent search made for any evidence of the original corners or other calls of the original field note record. The rules of proportionate measurement were applied to ascertain the position of lost corners, after every reasonable possibility of finding direct evidence for the control of each particular corner had been exhausted.

The survey was executed with W. & L. E. Gurley Solar Transits No. 541327 and No. 580158 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by the solar transit method and altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $38^{\circ} 55' 44''$ N., and longitude $109^{\circ} 32' 08''$ W., as scaled from reliable Geological Survey Quadrangle maps.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $15^{\circ} 45'$ East.

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Dependent Resurvey of the E. Bdy. of T. 21 S., R. 20 E.

Chains

Dependent Resurvey of the East Boundary of T. 21 S., R. 20 E.

Reestablishment of the survey executed by Lewis and Blossom in 1898 with cors. monumented to refer to T. 21 S., R. 20 E., only.

From the cor. of Tps. 21 and 22 S., R. 20 E., monumented by a sandstone rock, 4x6x10 ins., set, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground with brass cap mkd.

T21S
R20E T21S
S36 R21E
S1 S31
T22S

1961

Deposit the original cor. alongside the iron post.

From the above cor. the closing cor. of Tps. 21 and 22 S., R. 21 E., bears S. 0° 05' W., 28.98 chs. dist., monumented by a 3 in. iron post, conforming to the record.

N. 0° 11' W., along the E. bdy. of sec. 36.

Over nearly level desert land, covered with a short growth of shade.

4.80 Unimproved bladed road, bears E. and W.

33.00 Unimproved bladed road, bears N. 30° E. and S. 30° W.

40.22 Point for the original ¼ sec. cor. of secs. 31 and 36 at proportionate distance; this cor. will now function for sec. 36, T. 21 S., R. 20 E. only. There is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. in diam., 23 ins. in the ground, with brass cap mkd.

T21S
R20E R21E
¼
S36

1961

No accessories available.

46.00 Wash, 50 lks. wide, 10 ft. deep, drains S. 70° E.

50.40 Wash, 30 lks. wide, 10 ft. deep, drains S. 60° E.

65.20 Wash, 10 lks. wide, 2 ft. deep, drains S. 70° E.

80.44 The original cor. of secs. 25, 30, 31 and 36, monumented by a cottonwood stake, 3x3x24 ins. firmly set in the ground, and mkd. with 5 notches on the N. and 1 notch on the S. side, this cor. will now refer to secs. 25 and 36 only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap mkd.

U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT, DENVER, COLORADO

Chains

T21S
R20E R21E
S25
S36
1961
Raise a mound of stone, 2 ft. base, 1½ ft. high W. of the cor.
Reset the cottonwood stake alongside the iron post.
Land, nearly level desert.
Soil, loamy clay.
Timber, none.
Undergrowth, scant grass, medium shadscale.

N. 0° 32' E., along the E. bdy. of sec. 25.

Over nearly level desert land, covered with a scattered growth of short shadscale and sparse grass.

11.25 Telephone line, bears N. 82° 30' W., and S. 82° 30' E.

12.55 Center of oiled Highway U.S. 6-50 bears N. 82° 30' W., and S. 82° 30' E.

17.00 Wash, 10 lks. wide, 4 ft. deep, drains S. 70° E.

40.01 The original ¼ sec. cor. of secs. 25 and 30, monumented by a sand-stone rock, 4x8x14 ins. firmly set in the ground, and mkd. ¼ on the W. face, this cor. will now refer to sec. 25 only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

T21S
R20E R21E
¼
S25
1961

Deposit the original cor. alongside the iron post.

N. 0° 06' E. beginning new measurement.

16.00 Begin ascending over low clay hills; asc. 40 ft.

22.90 Top of asc.; desc. 20 ft. over a N. slope.

24.90 Unimproved bladed road, bears N. 80° W., and S. 80° E.

25.50 Wash, 10 lks. wide, 2 ft. deep, drains S. 80° E.; asc. 20 ft. over a S. slope.

30.70 Top of low clay spur, projects S. 80° W.; desc. 20 ft. over a N. slope.

35.00 Unimproved bladed road, bears N. 75° E. and S. 75° W.

37.28 Center of Denver and Rio Grande Western Railroad tracks, bears N. 43° 36' E. and S. 43° 36' W.

Re-survey of the E. bdy. of T. 21 S., R. 20 E.

Chains	
38.43	Power line, bears N. 43° 36' E. and S. 43° 36' W.
39.98	Point for the original cor. of secs. 19, 24, 25 and 30 at proportionate dist.; this cor. will now function as the cor. of secs. 24 and 25 T. 21 S., R. 20 E. only. There is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.
	T21S
	R20E R21E
	S24
	S25
	1961
	Land, gently rolling.
	Soil, clay.
	Timber, none.
	Undergrowth, medium shadscale; sparse grass and weeds.
	N. 0° 06' E., along the E. bdy. of sec. 24.
	Over gently rolling desert land, covered with a short growth of shadscale and weeds.
1.00	Wash, 10 lks. wide, 1 ft. deep, drains S. 30° E.; asc. 50 ft. over a S. slope.
11.30	Clay spur, projects S. 20° E., from N. 30° W.; desc. 20 ft. over a N. slope.
21.00	Wash, 10 lks. wide, 1 ft. deep, drains N. 70° E.
33.65	Fence, bears N. 75° W. and S. 75° E.
34.60	Wash, 10 lks. wide, 3 ft. deep, drains E.
39.98	The original ¼ sec. cor. of secs. 19 and 24, monumented by a sandstone rock, 2x6x12 ins. firmly set in the ground, and mkd. ¼ on the W. face. This cor. will now refer to sec. 24 only.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap mkd.
	T21S
	R20E R21E
	S24
	1961
	Raise a mound of stone, 1 ft. base 1 ft. high W. of the cor.
	Deposit the original cor. alongside the iron post.
	N. 0° 19' W., beginning new measurement.
	Asc. 30 ft. over a SW slope.
5.40	Top of clay spur, projects S. 65° E.; desc. 10 ft. over a gentle N. slope.

E OS. N. 20 E. R. 20 E.

Chains	
8.20	Wash, 10 lks. wide, 1 ft. deep, drains E.; asc. 30 ft. over a S. slope.
11.00	Spur, projects E. about 300 chs. to end; desc. 10 ft. over a N. slope.
26.50	Wash, 1 ch. wide, 2 ft. deep, drains E. 2.50 chs., thence SE.; asc. 55 ft. over clay knolls.
37.30	Wash, 10 lks. wide, 1 ft. deep, drains S. 60° E.
40.31	The original cor. of secs. 13, 18, 19 and 24, monumented by a sandstone rock, 6x8x12 ins. firmly set in the ground, and mkd. with 3 notches on the N. and S. edges. This cor. will now refer to secs. 13 and 24 only.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap mkd.
	T21S R20E R21E S13 S24 1961
	Raise a mound of stone, 3 ft. base 2 ft. high, W. of the cor.
	Deposit the original cor. alongside the iron post.
	Land, rolling desert.
	Soil, clay.
	Timber, none.
	Undergrowth, medium shadscale, sparse grass and weeds.
	N. 0° 29' E. along the E. bdy. of sec. 13.
	Over rolling desert land, covered with medium shadscale, sparse grass and weeds.
	Asc. 65 ft. over a S. slope.
5.20	Top of asc.; desc. 20 ft. over a N. slope.
8.10	Wash, 10 lks. wide, 2 ft. deep, drains W.; asc. 35 ft. over a S. slope.
12.60	Top of knoll; desc. 25 ft. over a N. slope.
17.40	Wash, 10 lks. wide, 3 ft. deep, drains S. 70° E.; asc. 95 ft. over a S. slope.
27.00	Spur, ridge projects E. and W.; desc. 100 ft. over a N. slope.
36.00	Ravine, drains W.; asc. 75 ft. over a S. slope.
39.79	The original ¼ sec. cor. of secs. 13 and 18, monumented by a sandstone rock, 4x10x12 ins. firmly set in the ground, and mkd. ¼ on the W. face. This cor. will now refer to sec. 13 only.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. in diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

Dependent Resurvey of the E. Bdy. of T. 21 S., R. 20 E.

Chains	<p>T21S R20E R21E S12 S13 1961</p> <p>Raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of the cor.</p> <p>Deposit the original cor. alongside the iron post.</p> <p>The above cor. is set on top of a spur, projecting W. about 3.00 chs. to end.</p> <p>N. $0^{\circ} 05'$ E., beginning new measurement.</p> <p>Desc. 45 ft. over a N. slope.</p> <p>1.80 Ravine, drains S. 80° W.; asc. 35 ft. over a S. slope.</p> <p>5.00 Spur, projects W.; desc. 25 ft. over a N. slope.</p> <p>6.90 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.; asc. 30 ft. over a S. slope.</p> <p>8.00 Spur, projects W.; thence over a gentle NW. slope.</p> <p>11.60 Wash, 20 lks. wide, 4 ft. deep, drains W.; asc. 55 ft. over a S. slope.</p> <p>24.70 Top of asc.; thence over rolling clay hills.</p> <p>38.50 Wash, 30 lks. wide, 3 ft. deep, drains irregularly SE.</p> <p>40.06 The original cor. of secs. 7, 12, 13 and 18, monumented by a sand-stone rock, 5x8x30 ins. firmly set in the ground, and mkd. with 4 grooves on the S. and 2 grooves on the N. face. This cor. will now refer to secs. 12 and 13 only.</p> <p>At the cor point.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.</p> <p>T21S R20E R21E S12 S13 1961</p> <p>Deposit the original cor. alongside the iron post.</p> <p>Land, rolling desert.</p> <p>Soil, clay.</p> <p>Timber, none.</p> <p>Undergrowth, medium shadscale, sparse grass and weeds.</p> <p>N. $0^{\circ} 05'$ E., along the E. bdy. of sec. 12.</p> <p>Over rolling clay hills, covered with a scattered growth of shad-scale.</p> <p>2.10 Wash, 20 lks. wide, 3 ft. deep, drains S. 10° E.</p>
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Dependent Boundary of the E. Bdy. of T. 21 S., R. 20 E.

Chains	
5.00	Recross wash, drains SW.; asc. 80 ft. over rolling hills.
26.20	Wash, 10 lks. wide, 2 ft. deep, drains S. 15° E.; asc. 80 ft. over S. slope.
35.40	Spur, projects W.; desc. 50 ft. over a N. slope.
37.80	Wash, 20 lks. wide, 3 ft. deep, drains S. 60° E.; asc. 40 ft. over a S. slope.
40.02	The original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, monumented by a sand-stone rock, 4x12x18 ins. firmly set in the ground, and mkd. $\frac{1}{4}$ on the W. face. This cor. will now refer to sec. 12 only.
	At the cor. point
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 6 ins. in the ground, to solid rock and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T21S R20E R21E $\frac{1}{4}$ S12 1961
	Deposit the original cor. alongside the iron post.
	N. 0° 04' E., beginning new measurement.
	Asc. 195 ft. over a SW. slope.
17.60	Spur, projects S. 20° E., desc. 135 ft. over a NE. slope.
24.30	Ravine, drains E., about 1.00 chs.; thence S.; asc. 135 ft. over a broken SW. slope.
33.50	Spur, projects W.; desc. 155 ft. over a N. slope.
40.02	Point for the original cor. of secs. 1, 6, 7, and 12, at proportionate distance. This cor. will now function as the cor. of secs. 1 and 12, T. 21 S., R. 20 E. only. There is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 6 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R20E R21E S12 1961
	Land, rolling hills the first $\frac{1}{4}$ mile; mountainous the balance.
	Soil, rocky clay.
	Timber, none.
	Undergrowth, medium shade-scale, sparse grass and weeds.
	N. 0° 04' E. along the E. bdy. of sec. 1.

Dependent Resurvey of the E. Bdy. of T. 21 S., R. 20 E.

Chains		Cont'd
	Over mountainous land, covered with scant undergrowth. Asc. 150 ft. over a broken S. slope.	60.02
3.40	Rim of mesa, bears E. and W.; asc. 50 ft.; enter scattered timber; asc. 150 ft. over a S. slope.	62.02
38.20	Spur, projects E.; desc. 65 ft. over a N. slope.	62.02
40.02	The original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, monumented by a sandstone rock, 4x14x16 ins. firmly set in a mound of stone, and mkd. $\frac{1}{4}$ on the W. face. This cor. will now refer to sec. 1 only. At the cor. point	62.02
	Over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R20E R21E $\frac{1}{4}$ S1 1961	
	Deposit the original cor. in the mound alongside the iron post.	
	N. 0° 02' E. beginning new measurement.	
	Desc. 100 ft. over a broken N. slope.	
4.50	Draw, drains E.; asc. 100 ft. over a S. slope.	
8.99	The original closing cor. of T. 21 S., Rs. 20 and 21 E., monumented by a sandstone rock, set mkd. and witnessed as described in the official record. At the cor. point Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 4 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd. T20S R21E S31 S1 S6 R20E C C R21E T21S 1961	62.02
	Deposit the original cor. in the mound of stone, alongside the iron post.	
	Land, broken, mountainous. Soily, rocky clay. Timber, scattered juniper. Undergrowth, sparse shadscale, grass and weeds.	
Survey of a Portion of the Subdivision of Township 21 South, Range 21 East		
From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp, mkd. by an iron post, 2 ins. in diam., conforming to the official record.		

Survey of a Portion of the Subdivision of T2S21N, R21E.

Chains		Remarks
		Land, gently rolling desert. Soil, clay. Timber, none. Undergrowth, scattered rabbit brush, greasewood, and sparse grass, weeds and shadscale.
		From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., mkd. by an iron post, 2 ins. in diam., conforming to the official record. N. 0° 02' W., bet. secs. 33 and 34. Over gently rolling desert land, covered with a scattered growth of short undergrowth.
1.20		Unimproved bladed dirt road, bears NW. and SE.
19.10		Sagers Wash, 40 lks. wide, 15 ft. deep, drains SE.
40.00		Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd. T21S R21E $\frac{1}{4}$ S33 S34 1961
80.00		Point for the cor. of secs. 27, 28, 33 and 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd. T21S R21E S28 S27 S33 S34 1961
		Land, nearly level desert. Soil, clay. Timber, none. Undergrowth, scattered greasewood, medium shadscale and sparse grass and weeds.
		N. 0° 02' W., bet. secs. 27 and 28.
		Over nearly level desert land, covered with a scattered growth of short undergrowth.
23.80		Telephone line, bears S. 87° 30' E., and N. 87° 30' W.
25.30		Center of oiled highway, 6-50 bears S. 87° 30' E. and N. 87° 30' W.
28.40		Barbed wire fence, 4 strand, bears S. 87° 30' E. and N. 87° 30' W.
40.00		Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground and in a mound of stone, with brass cap mkd. T21S R21E $\frac{1}{4}$ S28 S27 1961

Survey of a Portion of the Subdivisions of T. 21 S., R. 21 E.

Chains		
53.00	Wash, drains S. 80° E. in surge line, filled with gravel.	
80.00	Point for the cor. of secs. 21, 22, 27 and 28.	
81.00	Set an iron post, 30 ins. long, 2½ ins. in diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.	
	T21S R21E	
	S21 S22	
	S28 S27	
	1961	
	Land, nearly level desert.	
	Soil, clay.	
	Timber, none.	
	Undergrowth, medium shade, scattered greasewood, grass and weeds.	
	N. 0° 02' W. bet. secs. 21 and 22.	
	Over gently rolling desert land, covered with a scattered growth of short undergrowth.	
22.70	Unimproved bladed dirt road, bears SW. and NE.	
31.00	Center of Denver and Rio Grande Western Railroad, 2 sets of tracks, bears N. 82° 30' W. and S. 82° 30' E.	
31.70	Power line, bears N. 82° 30' W. and S. 82° 30' E.	
34.90	Unimproved bladed dirt road, bears NE. and SW.	
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.	
	Set an iron post, 30 ins. long, 2½ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.	
	T21S R21E	
	S21 S22	
	1961	
	Asc. 90 ft. over low clay hills, sloping to the S.	
75.20	Spur, projects SE.	
79.10	Spur, projects NE., desc. 20 ft. over a N. slope.	
80.00	Point for the cor. of secs. 15, 16, 21 and 22.	
	Set an iron post, 30 ins. long, 2½ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.	
	T21S R21E	
	S16 S15	
	S21 S22	
	1961	
	Land, rolling desert.	
	Soil, clay.	
	Timber, none.	
	Undergrowth, medium shade, widely scattered greasewood, grass and weeds.	
	N. 0° 02' W. bet. secs. 15 and 16.	

Survey of a Portion of the Subdivision of T. 21 S., R. 21 E.

Chains

Station

00.00

Over low clay hills, and sparse undergrowth.

Desc. 25 ft. over a N. slope.

25.00

2.70 Wash, 40 lks. wide, 20 ft. deep, drains irregularly SE.; asc. 90 ft. over a S. slope.

13.60 Spur, projects W.; desc. 30 ft. over a N. slope.

22.40 Wash, 30 lks. wide, 24 ft. deep, drains SW.; asc. 65 ft. over a S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T21S R21E

 $\frac{1}{4}$

S16 | S15

1961

Asc. 145 ft. over a S. slope.

53.10 Leave clay hills, enter bench land; asc. 25 ft. over a gentle S. slope.

61.50 Wash, 10 lks. wide, 4 ft. deep, drains SW.; asc. 50 ft. over a gentle S. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

T21S R21E

S 9 | S10

S16 | S15

1961

Land, rolling desert.

Soil, clay, the first 53.00 chs.; sandy clay the balance.

Timber, none.

Undergrowth, scattered shadscale, sparse rabbit brush, greasewood, grass and weeds.

N. $0^{\circ} 02'$ W. bet. secs. 9 and 10.

Over desert bench land, covered with a scattered growth of undergrowth.

Asc. 100 ft. over a gentle S. slope.

30.10 Wash, 25 lks. wide, 4 ft. deep, drains SE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 18 ins. in the ground, with brass cap mkd.

T21S R21E

 $\frac{1}{4}$

S 9 | S10

1961

Asc. 50 ft. over a gentle S. slope.

A Survey of a Portion of the Subdivision of T. 21 S., R. 21 E.

Chains	
62.50	Bladed dirt road, bears E. and W.; asc. 40 ft. over a S. slope.
76.60	Wash, 15 lks. wide, 4 ft. deep, drains SE.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 12 ins. in the ground, to solid rock and in a mound of stone, 3 ft. base to top with brass cap mkd.
	<div style="text-align: center;"> T21S R21E S 4 S 3 S 9 S 10 1961 </div>
	Land, desert bench. Soil, sandy clay. Timber, none. Undergrowth, scattered shadscale, greasewood, grass and weeds.
	N. 0° 02' W. bet. secs. 3 and 4.
	Over desert bench land, covered with short undergrowth.
	Asc. 30 ft. over a S. slope.
21.10	Unimproved dirt road, bears SW. and NE.; asc. 25 ft. over a S. slope.
37.20	Wash, 20 lks. wide, 5 ft. deep, drains E.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 14 ins. in the ground, to solid rock and in a mound of stone, 3 ft. base to top with brass cap mkd.
	<div style="text-align: center;"> T21S R21E ¼ S 4 S 3 1961 </div>
	Enter scattered timber; asc. 20 ft. over a S. slope.
53.20	Top of rise; desc. 20 ft. over a N. slope.
60.40	Wash, 40 lks. wide, 4 ft. deep, drains SE.; asc. 70 ft. over a S. slope.
78.72	Intersect the Fourth Standard Parallel South.
	Point for the closing cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.
	<div style="text-align: center;"> T20S S 34 S 4 S 3 C C T21S R21E 1961 </div>

A Survey of a Portion of the Subdivision of T. 21 S., R. 21 E.

Chains

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From point of intersection the standard cor. of secs. 33 and 34, T. 20 S., R. 21 E., monumented by an iron post, 2 ins. in diam., bears W. 5.52 chs. dist. I rebuild the mound around the iron post.

From the same point, the standard $\frac{1}{4}$ sec. cor. of sec. 34, T. 20 S., R. 21 E., monumented by an iron post, 1 in. in diam., bears E. 34.48 chs. dist.

Land, desert bench and rolling hills.

Soil, sandy clay.

Timber, scattered juniper.

Undergrowth, medium shadescale, greasewood and grass.

Point for the cor. of secs. 2 and 3, on the N. bdy. of the township at proportionate dist. bet. the closing Tp. cor. of T. 21 S., Rs. 21 and 22 E., and the closing cor. of secs. 3 and 4, T. 21 S., R. 21 E.

Set an iron post, 30 ins. long, 2½ ins. in diam., 10 ins. in the ground, to solid rock, and in a mound of stone, 5 ft. base to top with brass cap mkd.

S3|S2
T21S R21E

1961

The standard cor. of 34 and 35, T. 20 S., R. 21 E., is missing. I reestablish same at proportionate dist., bet. the standard $\frac{1}{4}$ sec. cor. of sec. 34 and the standard $\frac{1}{4}$ sec. cor. of sec. 35. There is no change in the record course or dist.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. in diam., 10 ins. in the ground, to solid rock, and in a mound of stone, 6 ft. base to top, with brass cap mkd.

S C
T20S R21E
S34|S35
1961

The above cor. is set in a swale on a steep S. slope.

From the cor. of secs. 2 and 3 on the reestablished standard cor. of secs. 34 and 35, bears W. 5.40 chs. dist.

From the same cor. the standard $\frac{1}{4}$ sec. cor. of sec. 35, bears E., 34.60 chs. dist.

Point for the cor. of secs. 1 and 2 on the N. bdy. of the Tp. at proportionate dist., bet. the closing Tp. cor. of T. 21 S., Rs. 21 and 22 E., and the closing cor. of secs. 3 and 4, T. 21 S., R. 21 E.

Set an iron post, 30 ins. long, 2½ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

S2|S1
T21S R21E
1961

Survey of a Portion of the Subdivision of T. 21 S., R. 21 E.

Chains

From this point the true point for the standard cor. of secs. 35 and 36, T. 20 S., R. 21 E., not monumented, bears W. 5.28 chs. dist.

From the above cor. the witness standard cor. of secs. 35 and 36, T. 20 S., R. 21 E., monumented by a 2 in. iron post, conforming to the record, bears W. 5.43 chs. dist.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 2, at midpoint bet. secs. 2 and 3, and secs. 1 and 2, on the N. bdy. of the Tp.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 8 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4}$ S2
T21S R21E
1961

From this cor. the standard $\frac{1}{4}$ sec. cor. of sec. 35, T. 20 S., R. 21 E., which is monumented by an iron post, 1 in. diam., conforming to the record, bears W. 5.34 chs. dist.

From the cor. of secs. 2 and 3, on the N. bdy. of the Tp., previously set and described.

S. $0^{\circ} 01'$ E., bet. secs. 2 and 3.

Over clay hills, covered with widely scattered undergrowth.

Desc. 205 ft. over a S. slope.

20.00 Leave clay hills, thence over desert, bench land, sloping to the S.

24.70 Wash, 40 lks. wide 5 ft. deep, drains E.

32.80 Intersection of unimproved dirt roads, bearing SE. and NW., SW. and NE.

38.78 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground, and in a mound of stone, 5 ft. base to top, with brass cap mkd.

T21S R21E

$\frac{1}{4}$
S3|S2
1961

43.00 Jeep road, bears NW. and SE.

57.00 Wash, 30 lks. wide, 2 ft. deep, drains E.

71.00 Wash, 30 lks. wide, 2 ft. deep, drains E.

78.78 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground, and in a mound of stone, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 21 S., R. 21 E.

Chains

T21S R21E

S3 | S2

S10 | S11

1961

Land, desert bench.

Soil, sandy clay.

Timber, none.

Undergrowth, scattered shadscale, rabbit brush, grass and weeds.

S. 89° 58' E., bet. secs. 2 and 11.

Over desert bench land, covered with a scattered growth of short undergrowth.

10.15 Unimproved bladed dirt road, bears NE. and SW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T21S R21E

S2

 $\frac{1}{4}$ S11

1961

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 8 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T21S R21E

S2 | S1

S11 | S12

1961

Land, nearly level desert bench.

Soil, sandy clay.

Timber, none.

Undergrowth, scattered shadscale, rabbit brush, medium grass.

N. 0° 04' W., bet. secs. 1 and 2.

Over nearly level, desert bench land, covered with a medium growth of grass, shadscale, rabbit brush and weeds.

24.80 Unimproved dirt road, bears NW. and SE.

35.50 Wash, 40 lks. wide, 5 ft. deep, drains SE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

T21S R21E

S2 | S1

1961

Survey of a Portion of the Subdivision of T. 21 S., R. 21 E.

Chains

45.20

Wash, 25 lks. wide, 3 ft. deep, drains SE. from N., thence along wash.

66.10

Wash, curves to the NW. leave same.

78.82

The cor. of secs. 1 and 2, on the N. bdy. of the Tp. previously set and described.

Land, nearly level and gently rolling desert bench land.

Soil, sandy clay.

Timber, none.

Undergrowth, medium shadscale, rabbit brush, grass and weeds.

From the cor. of secs. 15, 16, 21 and 22, previously set and described.

West, bet. secs. 16 and 21.

Over rolling desert land, covered with a scattered growth of short undergrowth, across a series of small clay spurs and draws.

Asc. 45 ft. over an E. slope.

6.30

Spur, projects NE., thence across small draw, drains E.; asc. 35 ft.

11.10

Small spur, projects NE.; thence across small draw.

26.10

Spur, projects NE.; asc. 60 ft. over a NE. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 16 ins. in the ground, and in a collar of stone, with brass cap mkd.

T21S R21E

$\frac{1}{4}$ S16
S21
1961

The cor. is located on a clay spur, projecting E.

Asc. 125 ft. over rolling land.

80.00

Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 14 ins. in the ground, to solid rock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T21S R21E

S17/S16
S20/S21
1961

Land, rolling desert.

Soil, clay.

Timber, none.

Undergrowth, sparse shadscale, rabbit brush, grass and weeds.

N. $0^{\circ} 03'$ W., bet. secs. 16 and 17.

Over rolling desert land, covered with sparse undergrowth.

Desc. 45 ft. along a gentle E. slope.

Survey of a Portion of the Subdivision of T. 21 S., R. 21 E.

Chains	
12.30	Wash, 10 lks. wide, 2 ft. deep, drains NE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd. <div style="text-align: center;">T21S R21E $\frac{1}{4}$ S17 S16 1961</div>
46.40	Wash, 20 lks. wide, 3 ft. deep, drains SW.
48.60	Bladed dirt road, bears NE. and SW.
50.40	Bladed dirt road, bears NE. and SW.
62.10	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 100 ft. over a S. slope.
80.00	Point for the cor. of secs. 8, 9, 16 and 17. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 4 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd. <div style="text-align: center;">T21S R21E S8 S9 S17 S16 1961</div> <p>Land, rolling desert. Soil, clay to sandy clay. Timber, none. Undergrowth, scattered shadscale, rabbit brush, grass and weeds.</p>
	From the cor. of secs. 9, 10, 15 and 16, previously set and described S. 89° 54' W. bet. secs. 9 and 16. Over rolling desert land, covered with a short growth of sparse undergrowth.
26.50	Head of draw, drains SE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 14 in. in the ground, to solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd. <div style="text-align: center;">T21S R21E $\frac{1}{4}$ S 9 S16 1961</div>
47.80	Intersection of bladed roads, bears NE. and SW., and SE. and NW.
57.20	Unimproved bladed dirt road, bears N. and SW.
80.00	The cor. of secs. 8, 9, 16 and 17. Land, rolling desert. Soil, sandy clay. Timber, none. Undergrowth, sparse shadscale, rabbit brush, grass and weeds.

T21S R21E

Chains

admit)

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp.
 monumented by an iron post, 2 ins. in diam., conforming to the
 official record.

N. 0° 03' W. bet. secs. 32 and 33.

Over gently rolling desert land, covered with short undergrowth.

Unimproved bladed dirt road, bears N. 40° E., and S. 40° W.

Unimproved bladed dirt road, bears N. 40° E., and S. 40° W.

Unimproved bladed dirt road, bears S. 85° E., and N. 85° W.

Unimproved bladed dirt road, bears N. 50° E., and S. 50° E.

Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the
 ground, with brass cap mkd.

T21S R21E

$\frac{1}{4}$
 S32/S33
 1961

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of the cor.

Improved graded road, bears N. 40° W. and S. 40° E.

Wash, 10 lks. wide, 2 ft. deep, drains E.

Wash, 30 lks. wide, 4 ft. deep, drains S. 80° E.

Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. in diam., 22 ins. in the
 ground, with brass cap mkd.

T21S R21E

S29/S28
 S32/S33
 1961

Land, rolling desert.

Soil, sandy clay.

Timber, none.

Undergrowth, scattered shadscale and weeds.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.

N. 0° 03' W. bet. secs. 31 and 32.

Over rolling desert land, covered with a sparse growth of short
 undergrowth.

Wash, 2½ lks. wide, 15 ft. deep, drains irregularly E.

Unimproved bladed dirt road, bears N. 80° E., and S. 80° W.

Unimproved bladed dirt road, bears E. and W.

Unimproved bladed dirt road, bears S. 80° E., and N. 80° W.

Survey of a Portion of the Subdivision of T. 21 S., R. 21 E.

Chains		AMARO
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap mkd. T21S R21E $\frac{1}{4}$ S31 S32 1961 Raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of the cor.	
68.50	Unimproved bladed dirt road, bears E. and W.	
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap mkd. T21S R21E S30 S29 S31 S32 1961 Land, gently rolling desert. Soil, sandy clay. Timber, none. Undergrowth, sparse shadscale, grass and weeds.	
	From the cor. of secs. 28, 29, 32 and 33. S. $89^{\circ} 58'$ W. bet. secs. 29 and 32. Over rolling desert land, covered with short undergrowth.	
11.00	Wash, 30 lks. wide, 6 ft. deep, drains S. 10° E.	
27.95	Gravel road, bears NW. and SE.	
39.97	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 22 ins. in the ground, with brass cap mkd. T21S R21E $\frac{1}{4}$ S29 S32 1961 Raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of the cor.	
79.94	The cor. of secs. 29, 30, 31 and 32. Land, gently rolling desert. Soil, clay. Timber, none. Undergrowth, scattered shadscale, sparse grass and weeds.	

Township 21 South, Range 21 East

Chains

General Description

A considerable variety of land and soil is found in Township 21 South, Range 21 East. The general elevation of the township ranges from about 4,700 ft. along the south boundary to about 6,000 ft. along the north boundary. Most of the northern portion of the township is rough and stony; the central part is desert bench land and rolling clay hills; and the southern part nearly level clay desert. The soil in the central and southern part of the township is mostly clay, but the northern part is a stony sandy clay. The vegetation in the central and southern portion of the township consists mostly of shrubs, while the northern portion supports a medium growth of grass. The drainage is all to the south into tributaries of the Colorado River.

The township is accessible by highway No. 6-50 which enters the township 12.55 chs. north of the cor. of section 25 on the west boundary and leaves about 10.00 chs. north of the corner of section 36 on the east boundary and from several dirt roads branching off from same. A considerable amount of exploration for natural gas and oil has been and is still being carried on in the area. There are no permanent habitations within the township.

Chains

[illegible]

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that,
in pursuance of special instructions bearing date of the **16** day of **September**, 19**58**,
I have supervised the dependent resurvey of the west boundary and the survey
of a portion of the subdivision of Township 21 South, Range 21 East,

of the **Salt Lake** Meridian, in the State of **Utah**, which
are represented in the foregoing field notes as having been executed ~~by me and~~ ^{supervision} under my direction;
and that said survey has been made in strict conformity with said special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

August 22, 1963
(Date)

Craig P. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the dependent resurvey of the west boundary and the
survey of a portion of the subdivision of Township 21 South, Range 21 East,
Salt Lake Meridian, Utah,

executed by **Fred R. Chappell and Glen B. Hatch**, Cadastral Surveyors, under
the supervision of **Craig P. Sylvester**, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

NOV 5 1963
(Date)

E. E. Remington
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

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FIELD NOTES

RECEIVED
BUREAU OF LAND MANAGEMENT
DEPT. OF THE INTERIOR
WASHINGTON, D.C.

OF THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 28 SOUTH, RANGE 1 WEST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Woodrow H. Sylvester, Cadastral Surveyor

under special instructions dated April 17, 1961, which provided

for the surveys included under Group No. 448, approved April 18, 1961

and assignment instructions dated April 25, 1961

Survey commenced June 16, 1961

Survey completed June 21, 1961

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Township 28 South, Range 1 West

Chains

The north boundary of Township 28 South, Range 1 West, was surveyed by Bailey and Burill in 1874, and was retraced and a portion resurveyed by Breckon and McCarty in 1897. The east boundary was surveyed by T. C. Bailey, in 1874, retraced by Breckon and McCarty in 1897 and resurveyed by S. P. Stewart in 1915 and the south 1 mile resurveyed by G. F. Rigby in 1922. The south boundary was surveyed by T. C. Bailey in 1874, retraced by Breckon and McCarty in 1897 and resurveyed by G. F. Rigby in 1922. The west boundary was surveyed by T. C. Bailey in 1874 and retraced by Breckon and McCarty in 1897. A portion of the subdivision was surveyed by Breckon and McCarty in 1897 and a portion was surveyed by G. F. Rigby in 1922. The following field notes are those of a survey of a portion of the subdivision of Township 18 South, Range 1 West at the request of the state supervisor for grazing allotment purposes.

The survey was executed with W. and L. E. Gurley Solar Transit No. 570628 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of section 35 is at latitude $38^{\circ} 19' 24''$ N. and longitude $111^{\circ} 51' 44''$ W. as adjusted from nearby reliable U.S.G.S. topographic sheets.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 17° East.

Survey of a Portion of the Subdivision of
Township 28 South, Range 1 West

From the cor. of secs. 34 and 35, on the S. bdy. of the Tp. monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 01'$ W., bet. secs. 34 and 35.

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Survey of a Portion of the Subdivision of T. 28 S., R. 1 W.

Chains	
	Over rolling mountainous land, through dense timber and medium dense undergrowth, asc. 50 ft. over a gentle S. slope.
11.80	Top of ascent; desc. 195 ft. over a N. slope.
32.00	Draw, drains N. 70° E.; asc. 30 ft. over rolling land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 34 and 35. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T28S R1W $\frac{1}{4}$ S34 S35 1961 from which An aspen, 8 ins. diam., bears N. 53° 30' E., 17 lks. dist., mkd. $\frac{1}{4}$ S35 BT. An aspen, 8 ins. diam., bears N. 67° 15' W., 33 lks. dist., mkd. $\frac{1}{4}$ S34 BT. Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the cor.
47.00	Access road, bears S. 82° E. and N. 82° W.
51.40	Access road, bears N. 44° E., and S. 44° W.; asc. 50 ft. over a N. slope.
59.40	Top of ascent; desc. 70 ft. over a gentle N. slope.
66.10	Access road, bears irregularly N. and S.; desc. 20 ft. over a N. slope.
74.00	Road turns E.
78.90	B.L.M. 5 strand wire fence bears E. and W.
80.00	Point for the cor. of secs. 26, 27, 34 and 35. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T28S R1W S27 S26 S34 S35 1961 from which An aspen, 6 ins. diam., bears N. 32° 30' E., 33 lks. dist., mkd. T28S R1W S26 BT. An aspen, 8 ins. diam., bears S. 61° 30' E., 57 lks. dist., mkd. T28S R1W S35 BT. An aspen, 7 ins. diam., bears S. 30° 15' W., 56 lks. dist., mkd. T28S R1W S34 BT. An aspen, 8 ins. diam., bears N. 82° 45' W., 27 lks. dist., mkd. T28S R1W S27 BT. Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the cor.

Survey of a Portion of the Subdivision of T. 28 S., R. 1 W.

Chains

Land, gently rolling, mountainous.
 Soil, rocky clay.
 Timber, medium dense aspen.
 Undergrowth, medium sagebrush and grass.

From the cor. of secs. 25, 26, 35 and 36 monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 89° 59' W., bet. secs. 26 and 35.

Over rolling land, through medium timber and undergrowth; along wire fence, bears E. and W.; asc. 65 ft. over a gentle NE. slope.

18.00 Enter evergreen timber area; asc. 45 ft.

33.30 Top of ascent; desc. 45 ft. over a NW. slope.

37.60 B.L.M. 5 strand wire fence, bears E. and W.

39.91 Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T28S R1W

$\frac{1}{4}$ $\frac{S\ 26}{S\ 35}$
 1961

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of the cor.

Desc. 70 ft. over a NW. slope.

47.70 Slope changes to N.; asc. 60 ft.

59.80 Unimproved dirt road, bears NE. and SW.; desc. 80 ft. along a N. slope.

79.82 The cor. of secs. 26, 27, 34 and 35.

Land, rolling, mountainous.
 Soil, rocky clay.
 Timber, aspen, fir and pine.
 Undergrowth, sagebrush and grass.

From the cor. of secs. 33 and 34, on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 33 and 34.

Over broken, mountainous land through medium dense timber and scant undergrowth; desc. 115 ft. over a N. slope.

9.20 Rock outcropping, projects W.; desc. 350 ft. over broken conglomerate ledges.

35.50 Ravine, drains W.; asc. 120 ft. over a SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Survey of a Portion of the Subdivision of T. 28 S., R. 1 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T28S R1W

S33|S34

1961

from which

A pinon, 12 ins. diam., bears S. 52° 15' E., 43 lks. dist., mkd.
T28S R1W ¼S34 BT.

A cedar, 10 ins. diam., bears N. 63° 30' W., 49 lks. dist., mkd.
T28S R1W ¼S33 BT.

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of the cor.

Asc. 170 ft. over a SW. slope.

46.00 Spur, projects W.; desc. 220 ft. over a NW. slope.

54.60 Ravine, drains S. 75° W.; asc. 165 ft. along a W. slope.

75.60 Small ravine drains W.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T28S R1W

S28|S27

S33|S34

1961

from which

A pinon, 8 ins. diam., bears S. 18° 15' E., 55 lks. dist., mkd.
T28S R1W S34 BT.

A pinon, 10 ins. diam., bears S. 69° 30' W., 53 lks. dist., mkd.
T28S R1W S33 BT.

A pinon, 10 ins. diam., bears N. 51° 45' W., 79 lks. dist., mkd.
T28S R1W S28 BT.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of the cor.

Land, rolling and broken.

Soil, rocky clay.

Timber, medium dense, aspen, cedar, pinon and fir.

Undergrowth, medium sagebrush and rabbit brush.

From the cor. of secs. 26, 27, 34 and 35.

S. 89° 57' W., between secs. 27 and 34.

Over rolling and broken land, through dense timber and scant undergrowth; asc. 150 ft. along a N. slope.

17.90 Top of rise; desc. 415 ft. over a broken W. slope.

40.01 Point for the ¼ sec. cor. of secs. 27 and 34.

Survey of a Portion of the Subdivision of T. 28 S., R. 1 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T28S R1W

 $\frac{1}{4}$ $\frac{S27}{S34}$

1961

from which

A fir, 8 ins. diam., bears S. $12^{\circ} 30'$ W., 49 lks. dist., mkd.
 $\frac{1}{4}$ S34 BT.

A fir, 10 ins. diam., bears N. $22^{\circ} 15'$ W., 36 lks. dist., mkd.
 $\frac{1}{4}$ S27 BT.

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, N. of the cor.

Desc. over a gentle W. slope.

47.00 Leave dense timber, enter meadow.

66.10 Leave meadow; desc. 480 ft. over a W. slope, through timber.

80.02 The cor. of secs. 27, 28, 34 and 35.

Land, rolling and broken.

Soil, rocky clay.

Timber, medium aspen, cedar, pinon and fir.

Undergrowth, sagebrush and rabbit brush.

General Description

A considerable variety of land and soil are found in the portion of the township surveyed. The soil is principally a stony clay. There is a medium dense growth of timber over most of the area consisting of pinon, cedar, aspen and some fir. The undergrowth is mostly sagebrush, rabbit brush and grass. The general elevation is about 9,000 ft. above sea level in section 35, on top of the Parker Mountain and about 8,500 ft. above sea level in section 34 on the west slope of the Parker Mountain. No water was noted within the area and there are no permanent habitations.

Form 4--680
(June 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that,
in pursuance of special instructions bearing date of the 17th day of **April**, 1961,
I have surveyed a portion of the subdivision of Township 28 South, Range 1
West.

of the **Salt Lake** Meridian, in the State of **Utah**, which
are represented in the foregoing field notes as having been executed by me and under my direction;
and that said survey has been made in strict conformity with said special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

August 22, 1963

(Date)

Woodrow H. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the survey of a portion of the subdivision of
Township 28 South, Range 1 West, Salt Lake Meridian, Utah.

executed by **Woodrow H. Sylvester, Cadastral Surveyor**

having been critically examined and found correct, are hereby approved.

NOV 5 1963

(Date)

E. E. Emmert
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

1963 DEC 30 11 10 00.0

FIELD NOTES

OF THE DEPENDENT RESURVEY

OF A PORTION OF THE NORTH BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 25 SOUTH, RANGE 1 EAST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

WOODROW H. SYLVESTER, CADASTRAL SURVEYOR

der special instructions dated APRIL 18, 1961, which provided

the surveys included under Group No. 449, approved APRIL 21, 1961

d assignment instructions dated APRIL 25, 1961

Survey commenced JUNE 22, 1961

Survey completed JUNE 29, 1961

INDEX DIAGRAM

Township		25 SOUTH		Range		1 EAST	
1	2						
0	9	0	0	0	0	0	0
8							
7	7	0	0	10	11	20	
2							
10	6	17	18	19	20	20	
5							
10	4	00	01	00	00	00	
3							
00		00	00	07	00	00	
01		00	00	04	00	00	

Township 25 South, Range 1 East

Chains

The west boundary (Salt Lake Meridian), the south boundary (Fifth Standard Parallel South), a portion of the north boundary and a portion of the subdivision was surveyed by T.C. Bailey and J.G. Burrill in 1874. The south boundary was resurveyed, and the east boundary, a portion of the north boundary and a portion of the subdivision surveyed by Andrew P. Hanson in 1895. The south boundary was resurveyed by Elliott Bird in 1934. A portion of the west boundary was resurveyed by Page and Swan in 1897. The west boundary was dependently resurveyed concurrently by W.H. Sylvester in 1961.

The following field notes are those of the dependent resurvey of a portion of the north boundary and a portion of the subdivision of Township 25 South, Range 1 East, at the request of the State Supervisor to facilitate grazing allotment administration and eliminate trespass.

Before restoring lost corners, the lines of the original survey were retraced and diligent search made for any evidence of the original corners, bearing trees or other calls of the original field note record.

The rules of proportionate measurement were applied to ascertain the position of the lost corners after exhausting every reasonable possibility of finding direct evidence of the lost corners.

The survey was executed with W. & L. E. Gurley Solar Transit No. 570628 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

The directions of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of section 19 is at latitude $38^{\circ}36'48''N$. and longitude $111^{\circ}52'41''W$. as adjusted from the original field note records.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ}30'E$.

Dependent Resurvey of a Portion of the North Boundary of Township 25 South, Range 1 East.

Reestablishment of the Survey Executed by T.C. Bailey and J.G. Burrill in 1874.

Beginning at the cor. of Tps. 24 and 25 S., Rs. 1 W. and 1 E. on the Salt Lake Meridian, monumented with a 2 1/2 in. iron post, set, mkd. and witnessed as described in the 1961 field notes of the dependent

Dependent Resurvey of a Portion of the N. Bdy.

of T. 25 S., R. 1 E.

revised

Chains

resurvey of the East bdy. of T. 25 S., R. 1 W.

N. $89^{\circ}56'$ E., bet. secs. 6 and 31.

Over gently rolling land through dense sage and rabbit brush.

Desc. 285 ft. over gentle E. slope..

35.00 Bottom of descent, thence over nearly level land.

38.10 Center of State Highway No. 24, bears N. 31° W. and S. 31° E.39.91 The original $\frac{1}{4}$ sec. cor. of secs. 6 and 31, monumented with a granite stone, $6 \times 10 \times 12$ ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T24S R1E

$$\begin{array}{r} \frac{1}{4} \text{ S31} \\ \hline \text{S6} \end{array}$$
T25S
1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.S. $89^{\circ}45'$ E., beginning new measurement.

Continue over nearly level land.

38.70 Road, unimproved, bears N. and S.

40.09 Point for the cor. of secs. 5, 6, 31 and 32 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T24S R1E

$$\begin{array}{r|l} \text{S31} & \text{S32} \\ \hline \text{S6} & \text{S5} \end{array}$$
T25S
1961Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.Land, gently rolling W. portion; nearly level E. portion.
Soil, rocky, second rate.Undergrowth, dense sage and rabbit brush, grasses.
Timber, none.S. $89^{\circ}45'$ E., bet. secs. 5 and 32

Over nearly level land through dense undergrowth.

39.51 Fence, barb. wire, bears N. 1° E. and S. 1° W.40.09 The original $\frac{1}{4}$ sec. cor. of secs. 5 and 32, monumented with a granite stone, $4 \times 10 \times 12$ ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Dependent Resurvey of a Portion of the N. Bdy.

of T. 25 S., R. 1 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T24S R1E

S32

85

T25S

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 3½ ft. base, 1½ ft. high, N. of cor.

Land, nearly level.

Soil, rocky, second rate.

Undergrowth, dense sage and rabbit brush, grasses.

Timber, none.

Dependent Resurvey of a Portion of the
Subdivision of Township 25 South, Range 1 East.

Reestablishment of the Survey Executed by T. C. Bailey in 1874.

From the cor. of secs. 19, 20, 29 and 30, monumented with a granite stone, 6x8x15 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T25S R1E

S19 S20

S30 S29

1961

Bury original stone cor. alongside iron post.

Cor. located on east-west fence line, and intersection of fence bearing N.0°06'E.

West, bet. secs. 19 and 30.

Over gently rolling land, along fence line, through dense grass in meadow.

17.22 Old wire fence, bears N.89°48'E. and S.89°48'W.

25.88 Otter Creek, 20 lks. wide, 1 ft. deep, drains SW to Koosharem Reservoir.

34.82 Electric fence, bears N.20°30'E.

37.72 The original ¼ sec. cor. of secs. 19 and 30, monumented with a granite stone, 8x8x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1E

Dependent Resurvey of a Portion of the N. Bdy.

of T. 25 S., R. 1 E.

Chains

$\frac{1}{4}$ S19
S30

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Cor. located on east-west fence line.

N. $89^{\circ}52'W.$, beginning new measurement.

Asc. 100 ft. over gentle SE slope.

12.38 Center of State Highway No. 24, bears N. $21^{\circ}42'E.$ and S. $21^{\circ}42'W.$

13.32 Power line, 3 wire, bears N. $18^{\circ}E.$ and S. $18^{\circ}W.$

41.92 The cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp. (Salt Lake Meridian), monumented with a $2\frac{1}{2}$ in. iron post, set, mkd. and witnessed as described in the 1961 field notes of the dependent re-survey of the east boundary of T. 25 S., R. 1 W.

Land, gently rolling meadow land.

Soil, loam.

Undergrowth, grass.

Timber, none

From the cor. of secs. 19, 20, 29, and 30.

N. $0^{\circ}12'E.$, bet. secs. 19 and 20.

Over nearly level farm land through sage brush and grass, along fence line.

39.50 Otter Creek, 15 lks. wide, 1 ft. deep, with stream of water, flows S. $52^{\circ}W.$ to Koosharem Reservoir.

40.12 The original $\frac{1}{4}$ sec. cor. of secs. 19 and 20, monumented with a granite stone, $8 \times 12 \times 16$ ins., firmly set at intersection of fences, mkd., and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1E

$\frac{1}{4}$

S19 | S20

1961

Bury original stone cor. alongside iron post.

Cor. is located at junction of fence bearing N. and S. and fence bearing N. $88^{\circ}12'E.$

North, beginning new measurement.

Continue over pasture land, along north-south fence line.

8.75 Old wood fence line, bears S. $85^{\circ}25'W.$

37.30 Intersection of north-south fence with fence bearing E., to corrals.

40.14 Point for the cor. of secs. 17, 18, 19 and 20 at proportionate dist. latitudinal, bet. the $\frac{1}{4}$ sec. cor. of secs. 19 and 20, and the $\frac{1}{4}$ sec. cor. of secs. 17 and 18, and longitudinal by north-south fence line.

Dependent Resurvey of a Portion of the N. Bdy.

of T. 25 S., R. 1 E.

Chains	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. below ground, with brass cap mkd. T25S R1E S18/S17 S19/S20 1961 Cor. of fence bearing south and east, bears south, 13 lks. dist. Cor. of fence bearing north and fence bearing N.89°W. and S.89°E., bears North, 36 lks. dist. Cor. is set beneath bladed dirt road, bears N.89°W. and S.89°E. Land, level pasture. Soil, sandy loam, first rate. Undergrowth, grass and sagebrush. Timber, none.
	West, bet. secs. 18 and 19. Over level land, along bladed dirt road.
11.40	Cor. of fence barb wire, bearing S.89°E. and S.12°50'W., bears north, 14 lks. dist.
12.20	Center of State Highway No. 24, bears N.7°E. and S.12°50'W.
20.00	Point for the E. 1/16 sec. cor. of secs. 18 and 19. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T25S R1E E 1/16 S18 S19 1961 Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor. Continue over level land.
24.30	Power line, 3 wire, bears N.18°55'E. and S.18°55'W.
40.00	The original ¼ sec. cor. of secs. 18 and 19, monumented with a granite stone, 6x10x15 ins., firmly set, mkd. and witnessed as described in the official record. At the cor. point. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T25S R1E ¼ S18 S19 1961 Bury original stone cor. alongside iron post. Raise a mound of stone, 3½ ft. base, 2 ft. high, N. of cor. S.89°27'W., beginning new measurement. Asc. 145 ft. over gentle E. slope.

Dependent Resurvey of a Portion of the N. Edy.

of T. 25 S., R. 1 E.

Chains	
34.44	Telephone line, bears N.3°20'E. and S.3°20'W.
39.43	The cor. of secs. 13, 18, 19 and 24 on the W. bdy. of the Tp. (Salt Lake Meridian), monumented with a 2½ in. iron post, set, mkd. and witnessed as described in the 1961 field notes of the dependent resurvey of the E. bdy. of T. 25 S., R. 1 W.
	Land, level, E. ½; rolling W. ½. Soil, sandy loam, rocky. Undergrowth, sagebrush and grass E. portions; sage brush W. portion. Timber, none.
	From the cor. of secs. 17, 18, 19 and 20.
	N.0°04'E., bet. secs. 17 and 18.
	Over level pasture land through scattered sagebrush, and along N-S fence line.
0.36	Cor. of fences, hereinbefore described.
16.20	Junction of fence bearing E. and W. with fence bearing N. and S.
27.80	Junction of barb wire fence, bearing S.88°40'E., with fence bearing N. and S.
40.14	The original ¼ sec. cor. of secs. 17 and 18, monumented with a granite stone, 6x8x10 ins., firmly set, mkd. and witnessed as described in the official record.
	At the cor. point.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T25S R1E 1 S18 S17 1961
	Bury original stone cor. alongside iron post.
	Cor. is located on north-south fence line.
	N.0°01'W., beginning new measurement.
	Continue over level land.
33.30	Graded road, bears E. and W.
40.21	The original cor. of secs. 7, 8, 17, and 18, monumented with a granite stone, 10x12x22 ins., firmly set, mkd. and witnessed as described in the official record.
	At the cor. point.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.
	T25S R1E S7 S8 S18 S17 1961
	Bury original stone cor. alongside iron post.
	Cor. is located on north-south fence line.

Dependent Resurvey of a Portion of the N. Bdy.

of T. 25 S., R. 1 E.

Chains	Land, level. Soil, loam, first and second rate. Undergrowth, sagebrush and bunch grass. Timber, none.
	NB9°52'W., bet. secs. 7 and 18. Over gently rolling land through dense sagebrush.
8.60	Center of State Highway No. 24, bears N.2°04'E. and S.2°04'W., asc. 25 ft. over gentle E. slope.
40.11	The original $\frac{1}{4}$ sec. cor. of secs. 7 and 18, monumented with a granite stone, 6x8x12 ins., firmly set, mkd. and witnessed as described in the official record, At the cor. point. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T25S R1E $\frac{1}{4} \frac{S7}{S18}$ 1961
	Bury original stone cor. alongside iron post. Raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 2 ft. high, N. of cor. S.89°05'W., beginning new measurement. Asc. 190 ft. over E. slope.
13.20	Power line, 3 wires, bears N.33°38'W., and S.33°38'E.
18.00	Spur, projects S., desc. 60 ft. over SE slope.
24.75	Wash, 15 lks. wide, 4 ft. deep, drains SE, asc. 60 ft. over NE slope.
31.40	Telephone line, 4 wires, bears N.1°50'E. and S.1°50'W.
35.25	Road, bladed, bears N.16°E. and S.40°E.
38.68	The cor. of secs. 7, 12, 13 and 18 on the W. bdy. of the Tp. (Salt Lake Meridian), monumented with a 2 $\frac{1}{2}$ in. iron post, set, mkd. and witnessed as described in the 1961 field notes of the dependent resurvey of the E. bdy. of T. 25 S., R. 1 W. Land, gently rolling. Soil, rocky loam. Undergrowth, sagebrush and grasses. Timber, none.
	From the cor. of secs. 7, 8, 17 and 18. N.0°29'E. bet. secs. 7 and 8. Over nearly level land through sagebrush undergrowth, along North-South fence line.
18.60	Junction of north-south fence with fence bearing N.72°30'E.
39.73	The original $\frac{1}{4}$ sec. cor. of secs. 7 and 8, monumented with a granite stone, 6x8x12 ins., firmly set, mkd. and witnessed as described in the official record. At the cor. point.

Dependent Resurvey of a Portion of the N. Bdy.

of T. 25-S., R. 1 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1E

$$\begin{array}{c} \frac{1}{4} \\ \hline S7 | S8 \end{array}$$

1961

Bury original stone cor. alongside iron post.

Cor. is located in fence line, bears N. and S.

N.0°01'E., beginning new measurement:

Continue over nearly level land, along fence line.

35.60 Road, unimproved, bears E. and W.

40.49 The original cor. of secs. 5, 6, 7 and 8, monumented with a granite stone, 7x18x24 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1E

$$\begin{array}{c} S6 | S5 \\ \hline S7 | S8 \end{array}$$

1961

Bury original stone cor. and deposit glass alongside iron post.

From this cor., a barb wire fence, bearing N.0°14'E. and S.0°28'W., bears east, 27 lks. dist..

Land, nearly level.

Soil, gravelly.

Undergrowth, sagebrush and bunch grass.

Timber, none.

N.89°49'W., bet. secs. 6 and 7.

Over gently rolling land through dense sagebrush.

7.00 Center of State Highway No. 24, bears N.6°15'W. and S.6°15'E.

39.66 The original $\frac{1}{4}$ sec. cor. of secs. 6 and 7, monumented with a granite stone, 6x12x14 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1E

$$\begin{array}{c} \frac{1}{4} \frac{S6}{S7} \end{array}$$

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Dependent Survey of a Portion of the N. Bdy.

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of T. 25 S., R. 1 E.

Chains	S.88°57'W., beginning new measurement.
19.82	Point for the W. 1/16 sec. cor. of secs. 6 and 7, at proportionate dist. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T25S R1E
	W 1 36 16 S7 1961
	Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor. Asc. 85 ft. over gentle E. slope.
37.80	Telephone line, 4 wires, bears N.7°35'W. and S.7°35'E.
38.99	The cor. of secs. 1, 6, 7 and 12 on the W. bdy. of the Tp., (Salt Lake Meridian), monumented with a 2½ in. iron post, set, mkd. and witnessed as described in the 1961 field notes of the dependent re-survey of the E. bdy. of T. 25 S., R. 1 W. Land, gently rolling to E. Soil, gravelly, second rate. Undergrowth, dense sagebrush. Timber, none.
	From the cor. of secs. 5, 6, 7 and 8. N.0°11'E., bet. secs. 5 and 6. Over nearly level land through dense sagebrush.
19.90	Cor. of fence bearing S.0°14'W. and E. bears east, 30 lks. dist.
23.10	South end of storage pond.
28.40	North end of storage pond.
39.42	The original ¼ sec. cor. of secs. 5 and 6, monumented with a granite stone, 8x10x14 ins., firmly set, mkd. and witnessed as described in the official record. At the cor. point. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T25S R1E ¼ S6 S5 1961
	Bury original stone cor. alongside iron post. Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.
	N.1°42'E., beginning new measurement. Continue over level land.
20.55	Road, unimproved, bears N.85°E. and S. 85°W.

Dependent Resurvey of a Portion of the N. Bdy.

of T. 25 S., R. 1 E.

Chains

40.22

The cor. of secs. 5, 6, 31, and 32 on the N. bdy. of the Tp., hereinbefore described.

Land, nearly level.

Soil, loam, second rate.

Undergrowth, sagebrush and rabbit brush.

Timber, none.

General Description

Sections 6, 7, 18 and 19, Township 25 South, Range 1 East, are located north of the Koosharem Reservoir along State Highway No. 24, that passes through the southwest portion of sec. 19, along the east side of secs. 7 and 18, and through the northeast portion of section 6. The land is good for grazing, and is nearly level to gently rolling land covered with dense sagebrush, rabbit brush, and grass. There is no timber in these sections. The area is drained in a southeasterly direction by numerous small washes, that drain into the Koosharem Reservoir, located in sections 30 and 31. There are numerous unimproved roads leading east to the ranches in the area and west to the foot hills and mountains. The soil in these sections is rocky loam, first and second rate.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that,
in pursuance of special instructions bearing date of the 18th day of **April**, 19 **61**,
I have **dependently resurveyed** a portion of the north boundary and a portion
of the subdivision of Township 25 South, Range 1 East.

of the **Salt Lake** Meridian, in the State of **Utah**, which
are represented in the foregoing field notes as having been executed by me and under my direction;
and that said survey has been made in strict conformity with said special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

August 22, 1963

(Date)

Woodrow H. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the **dependent resurvey** of a portion of the north
boundary and a portion of the subdivision of Township 25 South, Range 1
East.

executed by **Woodrow H. Sylvester**

having been critically examined and found correct, are hereby approved.

NOV 6 1963

(Date)

E. E. Remington
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE EAST BOUNDARY,

(SALT LAKE MERIDIAN),

A PORTION OF THE SOUTH BOUNDARY,

(FIFTH STANDARD PARALLEL SOUTH),

A PORTION OF THE NORTH BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 25 SOUTH, RANGE 1 WEST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Woodrow H. Sylvester, Cadastral Surveyor

der special instructions dated April 18, 1961, which provided

the surveys included under Group No. 449, approved April 21, 1961

and assignment instructions dated April 25, 1961

Survey commenced June 22, 1961

Survey completed August 11, 1961

INDEX DIAGRAM

Township 25 SOUTH, Range 1 WEST

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Township 25 South, Range 1 West

Chains

The east boundary, (Salt Lake Meridian), was surveyed by Thomas C. Bailey in 1874. A portion of the south boundary, (Fifth Standard Parallel South), and a portion of the north boundary were surveyed by Thomas C. Bailey and John G. Burrill in 1874. A portion of the subdivision was surveyed by John G. Burrill in 1874. A portion of the south boundary and a portion of the north boundary were resurveyed by Andrew P. Hanson, in 1891, who also completed the south boundary, the north boundary and surveyed a portion of the west boundary and a portion of the subdivision that same year. In 1897, Page and Swan resurveyed a portion of the east boundary, a portion of the north boundary and a portion of the south boundary and surveyed a portion of the west boundary and a portion of the subdivision. A portion of the south boundary was resurveyed by Brecken and McCarty in 1897.

The following field notes are those of the dependent resurvey of the east boundary, (Salt Lake Meridian), a portion of the south boundary, (Fifth Standard Parallel South), a portion of the north boundary and a portion of the subdivision of Township 25 South, Range 1 West, at the request of the State Supervisor to facilitate grazing allotment administration and eliminate trespass.

Before restoring the corners, the lines of the original surveys were retraced and diligent search made for any evidence of the original corners, bearing trees or other calls of the original field note record.

The rules of proportionate measurement were applied to ascertain the position of the lost corners after exhausting every reasonable possibility of finding direct evidence of the lost corners.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 570628 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U.S.D.A. Forest Service Planimetric Map. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

Township 25 South, Range 1 West

Chains

The geographic position for the southeast corner of the township is at latitude $38^{\circ} 35' 04''$ N. and longitude $111^{\circ} 23' 47''$ W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ east.

Dependent Resurvey of the East Boundary, (Salt Lake Meridian),
Township 25 South, Range 1 West

Reestablishment of the survey executed by Thomas C. Bailey in 1874.

Beginning at the standard cor. of Tps. 25 and 26 S., R. 1 W. and 1 E. monumented with a 3 in. iron post, set, mkd. and witnessed as described in the official record.

This cor. is situated at the junction of an E-W fence line and a Bureau of Land Management steel fence bearing south.

N. $0^{\circ} 01'$ W., bet. secs. 31 and 36.

Over gently rolling land through dense sagebrush and scattered juniper.

29.90 Power line, 3 strand, bears N. 20° W. and S. 20° E.

32.30 Center of Utah State Highway No. 24, bears NW, curving to NE.

Koosharem Reservoir Dam, bears east.

40.11 Point for the original $\frac{1}{4}$ sec. cor. of secs. 31 and 36 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S

R1W R1E

S36 S31E

1961

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Cor. located at edge of graded road alongside shore line of Koosharem Reservoir.

From this cor., a wire fence bears west, 0.90 chs. dist.

Continue over gently rolling land.

40.90 Mean high water mark of Koosharem Reservoir; shore line bears N. $10^{\circ} 30'$ W. and S. $10^{\circ} 30'$ E.

48.00 Fence, bears west 1.90 chs. dist.

55.50 Mean high water mark of Koosharem Reservoir; shore line, bears N. $40^{\circ} 50'$ E. and S. $40^{\circ} 50'$ W.

57.50 Road, bladed dirt, bears N. 41° E. and S. 41° W.

Dependent Recovery of the E. Bdy. (Salt Lake Meridian), T. 25 S., R. 1 W.

Chains

- 62.00 Fence, wire, bears N. 18° E. and S. 18° W.
- 65.40 Center of Utah State Highway No. 24, bears N. 21° 43' E. and S. 21° 43' W.
- 72.60 Power line, 3 strand, bears N. 18° E. and S. 18° W.
- 80.22 Point for the original cor. of secs. 25, 30, 31 and 36 at proportionate dist.; there is no remaining evidence of the original cor.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T25S
R1W R1E
S25|S30
S36|S31
1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

Land, gently rolling.

Soil, rocky, gravelly.

Timber, scattered juniper.

Undergrowth, dense sagebrush and bunch grass.

N. 0° 01' W., bet. secs. 25 and 30.

Over nearly level land through dense sagebrush and scattered juniper.

19.60 Old wood road, bears E. and W.

40.11 The original ¼ sec. cor. of secs. 25 and 30, monumented with a granite stone, 6x10x12 ins., set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S
R1W R1E
¼
S25|S30
1961

from which

A juniper, 5 ins. diam., bears S. 52° 38' W., 34 lks. dist., mkd. ¼ S25 BT.

Bury original stone cor. alongside iron post.

N. 0° 05' E., beginning new measurement.

Continue over nearly level land.

14.90 Telephone line, 4 strand, bears N. 3° 20' E. and S. 3° 20' W.

Dependent Resurvey of the E. Bdy., (Salt Lake Meridian), T. 25 S., R. 1 W.

Chains

- 31.90 Jeep trail, bears E. and W.
- 32.20 Wash, 12 lks. wide, 4 ft. deep, drains E.
- 40.03 The original cor. of secs. 19, 24, 25 and 30, monumented with a granite stone, 6x8x14 ins., set, mkd. and witnessed as described in the official record.
- At the cor. point
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T25S
RLW RLE
S24|S19
S25|S30
1961
- Bury original stone cor. alongside iron post.
- Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.
- Land, nearly level.
Soil, rocky, gravelly.
Timber, widely scattered juniper.
Undergrowth, dense sagebrush and bunch grass.
-
- N. 0° 01' E., bet. secs. 19 and 24.
- Over rolling land through dense sagebrush and scattered juniper.
- 40.14 The original ¼ sec. cor. of secs. 19 and 24, monumented with a granite stone, 8x11x14 ins., set, mkd. and witnessed as described in the official record.
- At the cor. point
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T25S
RLW RLE
¼
S24|S19
1961
- Bury original stone cor. alongside iron post.
- Raise a mound of stone, 3½ ft. base, 1½ ft. high, W. of cor.
-
- N. 0° 25' E., beginning new measurement.
- Continue over rolling land.
- 28.20 Road, unimproved, bears E. and W.
- 39.81 The original cor. of secs. 13, 18, 19 and 24, monumented with a granite stone, 8x12x16 ins., firmly set, mkd. and witnessed as described in the official record.
- At the cor. point

Dependent Recovery of the E. Bdy. (Salt Lake Meridian), T. 25 S., R. 1 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S
RLW R1E
S13 | S18
S24 | S19
1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 3½ ft. base, 1½ ft. high, W. of cor.

Land, gently rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, dense sagebrush and bunch grass.

N. 0° 30' E., bet. secs. 13 and 18.

Over gently rolling land, through dense sagebrush.

40.27 The original ¼ sec. cor. of secs. 13 and 18, monumented with a granite stone, 8x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T25S
RLW R1E
½
S13 | S18
1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

N. 0° 27' E., beginning new measurement.

Continue over rolling land.

11.60 Wash, 20 lks. wide, 7 ft. deep, drains S. 76° E.

16.60 Road, unimproved, bears N. 75° W., and S. 52° E.

39.89 The original cor. of secs. 7, 12, 13 and 18, monumented with a granite stone, 4x7x10 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S
RLW R1E
S12 | S 7
S13 | S18
1961

Dependent Boundary of the E. Ry. (Salt Lake Meridian) T25S R. 1E

Chains

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

Land, gently rolling.

Soil, rocky, gravelly.

Undergrowth, dense sagebrush and bunch grass.

Timber, none.

N. 0° 12' E., bet. secs. 7 and 12.

Over rolling land through dense sagebrush.

29.60 Road, unimproved, bears generally N. 12° W. and S. 12° E.

39.05 Power line, 3 strand, bears N. 33° 45' W. and S. 33° 45' E.

40.26 The original ¼ sec. cor. of secs. 7 and 12, monumented with a granite stone, 10x16x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S
R1W R1E
¼
S12 | S 7
1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

N. 0° 23' E., beginning new measurement.

Continue over gently rolling land.

2.50 Small ridge, bears E. and W.; desc. 90 ft. over gentle NE. slope.

13.50 Enter dense oak brush.

18.20 Small ravine, drains S. 85° E., continue descent.

24.00 Leave oak brush; enter dense sagebrush.

39.77 The original cor. of secs. 1, 6, 7 and 12, monumented with a granite stone, 8x12x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S
R1W R1E
S 1 | S 6
S12 | S 7
1961

Dependent Resurvey of the E. Edy. (Salt Lake Meridian) T. 25 S., R. 1 W.

Chains

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

Land, gently rolling.

Soil, rocky, gravelly loam.

Undergrowth, dense sagebrush and oak brush.

Timber, none.

Reestablishment of the resurvey executed by Page and Swan in 1897.

N. 0° 05' W., bet. secs. 1 and 6.

Over gently rolling land through dense sagebrush.

Desc. 55 ft. over gentle NE. slope.

19.90 Telephone line, 4 strand, bears N. 7° 37' W. and S. 7° 37' E.

26.70 Bottom of descent, thence over nearly level land.

33.70 Asc. 20 ft. over gentle SE. slope.

40.39 The original ¼ sec. cor. of secs. 1 and 6, monumented with a granite stone, 6x8x14 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S
R1W R1E

★
S1|S6
1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.

North, beginning new measurement.

Asc. 105 ft. over gentle SE. slope.

3.60 Wash, 25 lks. wide, 8 ft. deep, drains S. 80° E., continue ascent.

40.03 The original cor. of Tps. 24 and 25 S., Rs. 1 W. and 1 E., monumented with a granite stone, 10x12x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

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Dependent Resurvey of the E. Bdy. (Salt Lake West 11th) Township 25 S., Range 1 W.

Chains

T24S
R1W R1E
S36 S31
S1 S6

T25S
1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 3 ft. high, S. of cor.

Land, gently rolling.

Soil, rocky, gravelly loam.

Undergrowth, dense sagebrush and bunch grass.

Timber, none.

Dependent Resurvey of a Portion of the South Boundary
(Fifth Standard Parallel South),
Township 25 South, Range 1 West

Reestablishment of the resurvey executed by Andrew P. Hanson in 1891.

From the standard cor. of Tps. 25 and 26 S., Rs. 1 W. and 1 E., monumented with a 3 in. iron post, set, mkd. and witnessed as described in the official record.

N. 89° 35' W., along the S. bdy. of sec. 36.

Over rolling land through dense sagebrush and timber.

3.95 Telephone line, 4 strand, bears S. 6° 50' E. and N. 6° 50' W.

4.80 Intersection of E-W fence line with fence bearing N. 6° 40' W. and S.

6.45 Road, bladed dirt, bears N. 9° 40' W. and S. 9° 40' E.

9.00 Road, graded gravel to Burrville, bears N. 1° W. and S. 7° 30' W.; asc. 505 ft. over NE. slope.

39.55 Point for the orig. 1/2 sec. cor. of sec. 36, determined by old mound of stone, as best available evidence.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

SC

T25S R1W
S36
1961

Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, N. of cor.

N. 89° 14' W., beginning new measurement.

Asc. 120 ft. over NE. slope.

Dependent Resurvey of the S. Bdy. (5th Stand. Pat. Sec.) T. 25 S., R. 1 W.

Chains	
15.50	Ridge, bears NW. and SE.; desc. 370 ft. over SW. slope.
39.78	The original standard cor. of secs. 35 and 36, monumented with a granite stone, 8x12x14 ins., firmly set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	SC T25S RLW <u>S35 S36</u> 1961
	Bury original stone cor. alongside iron post.
	Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.
	Note: No remaining evidence of the closing cor. of secs. 1 and 2, T. 26 S., R. 1 W., was found.
	Land, rolling, E. portion; mountainous W. portion.
	Soil, rocky, gravelly.
	Timber, dense juniper and pinon.
	Undergrowth, dense sagebrush and grass.
	N. 89° 34' W., along the S. bdy. of sec. 35.
	Over nearly level land through scattered juniper.
	Desc. 55 ft. over SW. slope.
7.40	Road, gravel, to Burrville, bears N. 44° 30' W. and S. 11° E.
7.53	Fence, barbed wire, parallels road.
16.30	Irrigation ditch, 5 lks. wide, drains S. 6° W.
16.70	Irrigation ditch, 5 lks. wide, drains S. 6° W.
21.33	Fence, barbed wire, bears N. and S.
39.72	The original standard ¼ sec. cor. of sec. 35, monumented with a granite stone, 8x12x8 ins., firmly set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	SC T25S RLW <u>¼ S35</u> 1961
	Bury original stone cor. alongside iron post.
	Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

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Dependent Resurvey of the S. Bdy. (5th Stan. Par. S. 34 T. 25 S. R. 1 E.)

Chains

S. 85° 27' W., beginning new measurement.

Asc. 160 ft. over gently rolling land.

38.50

The original standard cor. of secs. 34 and 35, monumented with a granite stone, 6x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

SC
T25S RLW
S34|S35
1961

from which

A juniper, 6 ins. diam., bears N. 44° 15' E., 72 lks. dist., mkd. S 35 BT.

A juniper, 6 ins. diam., bears N. 8° 45' W., 41 lks. dist., mkd. S34 BT.

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

Land, gently rolling.

Soil, rocky, gravelly.

Timber, scattered juniper.

Undergrowth, dense sagebrush.

Reestablishment of the resurvey executed by Page and Swan in 1897.

S. 88° 19' W., along the S. bdy. of sec. 34.

Over rolling land through scattered juniper and dense sagebrush.

9.20

Creek, with stream of clear water, 3 lks. wide, 4 ins. deep, flows S. 80° W.; asc. 70 ft. over SE. slope.

39.61

The original standard ¼ sec. cor. of secs. 34, monumented with a trachyte stone, 8x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

SC
T25S RLW
¼ S34
1961

Bury original stone cor. alongside iron post.

No accessories available.

Dependent Resurvey of the S. E. Edge, (5th Stand. Par. S.), T. 25 S., R. 1 W.

Chains

S. 89° 05' W., beginning new measurement.

Asc. 25 ft. over SE. slope.

5.50 Ridge, bears N. and S.; desc. 70 ft. over W. slope.

22.30 Creek, with stream of clear water, 3 lks. wide, flows S. 75° E.; asc. 195 ft. over NE. slope.

26.40 Road, unimproved, bears N. 35° W. and S. 65° E.

39.38 The original standard cor. of secs. 33 and 34, monumented with a trachyte stone, 8x12x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

S. C
T25S R1W
S33|S34
1961

Bury original stone cor. alongside iron post.

Reconstruct original mound of stone N. of cor.

Land, rolling, E. portion; broken, mountainous, W. portion.

Soil, rocky, gravelly.

Timber, scattered juniper.

Undergrowth, sagebrush and oak brush.

Dependent Resurvey of a Portion of the North Boundary of Township 25 South, Range 1 West

Reestablishment of the resurvey executed by Andrew P. Hanson in 1891.

From the cor. of Tps. 24 and 25 S., Rs. 1 W. and 1 E., hereinbefore described.

N. 89° 44' W., bet. secs. 1 and 36.

Over rolling land through dense sagebrush.

Asc. 190 ft. over gentle E. slope.

21.30 Ridge, bears N. and S.; desc. 70 ft. over gentle W. slope.

23.50 East end of drift fence, bears north, 1.16 chs. dist.

24.40 Telephone line, 4 strand, bears S. 32° 25' E. and N. 32° 25' W.

34.70 Small ravine, drains SE.; asc. 30 ft. over NE. slope.

40.03 The original & sec. cor. of secs. 1 and 36, monumented with a granite stone, 5x9x14 ins., firmly set, mkd. and witnessed as described in the official record.

Dependent Resurvey of a Portion of the N. E. of T. 25 S. R. 1 W.

Chains

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T24S RLW

 $\frac{1}{4}$ S36

S 1

T25S

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

From this cor., a drift fence, bears north, 87 lks. dist.

N. $89^{\circ} 43'$ W., beginning new measurement.

Asc. 95 ft. over gentle NE. slope.

20.40 Road, bladed, bears N. 26° W. and S. 26° E., continue ascent.

40.17 The original cor. of secs. 1, 2, 35 and 36, monumented with a granite stone, $8 \times 12 \times 18$ ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T24S RLW

 $\frac{S35}{S 2}$ $\frac{S36}{S 1}$

T25S

1961

Bury original stone cor. alongside iron post.

Cor. is located at junction of fence bearing east and fence bearing S. 3° W.

Land, rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, dense sagebrush and bunch grass.

S. $89^{\circ} 38'$ W., bet. secs. 2 and 35.

Over rolling land through dense sagebrush.

Asc. 280 ft. over gentle NE. slope.

1.35 Power line, bears N. $33^{\circ} 42'$ W. and S. $33^{\circ} 42'$ E.30.80 Spur, projects N. 15° E., thence along N. slope.

39.86 Point for the original $\frac{1}{4}$ sec. cor. of secs. 2 and 35 at proportionate dist.; there is no remaining evidence of the original cor.

Dependent Resurvey of a Portion of the N. Bdy. of T. 25 S., R. 1 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T24S RIW

½ S35

S 2

T25S

1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

Asc. 25 ft. along N. slope.

48.60 Desc. 520 ft. over NW. slope.

79.60 Base of slope, thence desc. over gentle W. slope.

79.72 The original cor. of secs. 2, 3, 34 and 35, monumented with a trachyte stone, 8x10x12 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T24S RIW

S34 | S35

S 3 | S 2

T25S

1961

Bury original stone cor. alongside iron post.

Reconstruct original mound of stone, 3½ ft. base, 2½ ft. high, N. of cor.

Land, rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, dense sagebrush and grasses.

Reestablishment of the resurvey executed by Page and Swan in 1897.

S. 86° 42' W., along N. bdy. of sec. 3.

Over mountainous land through dense sagebrush and medium timber.

By triangulation, desc. gentle W. slope. Topography approximated.

7.30 Base of gentle slope, gravel road, bears N. and S.

8.40 Old road, bears N. and S.

9.15 Wash, drains N.

13.00 Asc. 560 ft. over steep E. slope.

170

Dependent Resurvey of a Portion of the N. Bdy. of T. 24 S., R. 1 W.

Chains

- 38.70 Ridge, bears irregularly N. and S. End triangulation. Thence across top.
- 39.92 Point for the S. $\frac{1}{4}$ sec. cor. of sec. 34, T. 24 S., R. 1 W., at proportionate dist.; there is no remaining evidence of the original cor.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
- T24S R1W
 $\frac{1}{4}$ S34
1961
- from which
- A mahogany, 6 ins. diam., bears N. 50° W., 152 lks. dist., mkd. T24S $\frac{1}{4}$ S34 BT.
- 42.05 Point for the N. $\frac{1}{4}$ sec. cor. of sec. 3, T. 25 S., R. 1 W. at proportionate dist.; there is no remaining evidence of the original cor.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock; and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- $\frac{1}{4}$ S 3
T25S R1W
1961
- from which
- A mahogany, 5 ins. diam., bears S. 30° E., 23 lks. dist., mkd. $\frac{1}{4}$ S3 BT.
- Desc. 25 ft. over SW. slope.
- 51.00 Ravine, drains SE.; asc. 360 ft. over NE. slope.
- 79.84 The original closing cor. of secs. 33 and 34, T. 24 S., R. 1 W., monumented with a trachyte stone, 9x9x16 ins., firmly set, mkd. and witnessed as described in the official record.
- At the cor. point
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T24S R1W
C C
S33|S34
1961
- from which
- A pine, 5 ins. diam., bears N. 7° E., 19 lks. dist., mkd. T24S R1W S34 BT.
- An aspen, 8 ins. diam., bears N. 54° W., 47 lks. dist., mkd. T24S S33 BT.
- Bury original stone cor. alongside iron post.
- Asc. 15 ft. over NE. slope.

Dependent Resurvey of a Portion of the N. Bdy. of T. 25 S., R. 1 W.

Chains

82.30 Top of ascent, thence over nearly level land through scattered patches of aspen timber.

84.10 The original cor. of secs. 3 and 4, T. 25 S., R. 1 W., monumented with a mound of stone. I accept this as the original cor.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

S4 S3
T25S R1W
1961

from which

An aspen, 12 ins. diam., bears S. 82° W., 135 lks. dist., mkd. T25S S4 BT.

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

Land, mountainous.

Soil, rocky, gravelly.

Timber, medium juniper E. portion; dense mahogany and patches of aspen W. portion.

Undergrowth, dense sagebrush, oak brush and young mahogany.

Dependent Resurvey of a Portion of the Subdivision of Township 25 South, Range 1 West

Reestablishment of the survey executed by John G. Burrill in 1874.

From the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp.

N. $0^{\circ} 07'$ E., bet. secs. 35 and 36.

Over rolling land through dense sagebrush and scattered juniper.

Asc. 80 ft. along steep W. slope of ridge.

Ravine, drains W.; asc. 425 ft. along steep W. slope.

39.61 The original $\frac{1}{4}$ sec. cor. of secs. 35 and 36, monumented with a granite stone, 6x12x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T25S R1W
 $\frac{1}{4}$
S35 S36
1961

Dependent Resurvey of a Portion of the N. Bdy. of T. 25 S., R. 1 W.

Chains

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

N. 0° 13' W., beginning new measurement.

Asc. 80 ft. along W. slope.

3.00 Wood road, bears N. 30° W. and S. 30° E.

17.00 Top of ascent, thence over E. edge of bench land.

31.80 Ravine, 40 ft. deep, drains E.

40.12 The original cor. of secs. 25, 26, 35 and 36, monumented with a granite stone, 10x12x12 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

S26 | S25

S35 | S36

1961.

Bury original stone cor. alongside iron post.

Land, rolling.

Soil, rocky, gravelly loam.

Timber, scattered juniper.

Undergrowth, dense sagebrush.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.

N. 89° 43' W., bet. secs. 25 and 36.

Over rolling land through dense sagebrush.

3.20 Telephone line, 4-wire, bears N. 3° 20' E. and S. 3° 20' W.

16.00 Base of slope, asc. 330 ft. over E. slope.

39.42 The original ¼ sect. cor. of secs. 25 and 36, monumented with a granite stone, 9x14x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

¼ S25

S36

1961

Decedent's Survey of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains

from which, mskd. and 8 1/2 ins. diam. 100 ft. top of cor. to S. 36 BT.

A juniper, 8 ins. diam., bears S. 79° W., 49 lks. dist., mkd. 1/4 S36 BT.

A juniper, 10 ins. diam., bears N. 80° E., 18 lks. dist., mkd. 1/4 S25 BT.

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2 1/2 ft. high, N. of cor.

N. 89° 50' W., beginning new measurement.

Asc. 435 ft. over E. slope.

40.09 The cor. of secs. 25, 26, 35 and 36.

Land, rolling to E.

Soil, rocky, gravelly loam.

Timber, scattered juniper.

Undergrowth, dense sagebrush.

N. 0° 08' E., bet. secs. 25 and 26.

Over rolling land through dense sagebrush.

Asc. 15 ft. along E. slope.

40.19 The original 1/4 sec. cor. of secs. 25 and 26, monumented with a granite stone, 6x12x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

1/4
S26/S25
1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2 1/2 ft. high, W. of cor.

N. 0° 06' E., beginning new measurement.

Desc. 165 ft. over NE. slope.

12.50 Wash, in ravine, drains N. 22° E.; asc. 115 ft. over SE. slope.

40.09 The original cor. of secs. 23, 24, 25 and 26, monumented with a granite stone, 8x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

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Dependent Resurvey of a Portion of the Subdivision of Sec. 25 S. 1 E. 1

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W.

S23 S24

S26 S25

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Land, gently rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, dense sagebrush and bunch grass.

From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp.

N. $89^{\circ} 12' W.$, bet. secs. 24 and 25.

Over rolling land through dense sagebrush.

15.10 Wash, 15 lks. wide, 4 ft. deep, drains S. $60^{\circ} E.$; asc. 190 ft. over gentle E. slope.

39.69 The original $\frac{1}{4}$ sec. cor. of secs. 24 and 25, monumented with a granite stone, 6x10x12 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

 $\frac{1}{4}$ S24

S25

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

S. $89^{\circ} 51' W.$, beginning new measurement.

Asc. 60 ft. over E. slope.

13.70 Ravine, drains N. $65^{\circ} E.$, asc. 305 ft. over NE. slope.

39.66 The cor. of secs. 23, 24, 25 and 26.

Land, gently rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, dense sagebrush and grasses.

N. $0^{\circ} 13' W.$, bet. secs. 23 and 24.

Deficient Boundary and Location of the Subdivision of T. 25 S., R. 1 W.

Chains

Over rolling land through dense sagebrush.

Desc. 130 ft. over NE. slope.

29.10 Ravine, drains N. 20° E.; asc. 10 ft. over gentle SE. slope.

40.08 The original $\frac{1}{4}$ sec. cor. of secs. 23 and 24, monumented with a granite stone, 6x10x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

$\frac{1}{4}$

S23|S24

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

N. 0° 19' W., beginning new measurement.

Asc. 20 ft. over SE. slope.

4.90 Top of ascent, slopes E.; desc. 15 ft. over NE. slope.

21.80 Ravine, drains NE.; asc. 210 ft. over SE. slope.

26.70 Road, unimproved, bears N. 60° E. and S. 60° W.

39.63 The original cor. of secs. 13, 14, 23 and 24, monumented with a granite stone, 9x12x14 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

S14|S13

S23|S24

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

Land, rolling.

Soil, rocky, gravelly.

Timber, widely scattered juniper.

Undergrowth, dense sagebrush and scattered cacti.

From the cor. of secs. 13, 18, 19 and 24 on the E. bdy. of the Tp.

N. 89° 54' W., bet. secs. 13 and 24.

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Dependent Resurvey of a Portion of the Subdivision of T25 S. E. 1 E.

Chains

Over rolling land through dense sagebrush.

Asc. 180 ft. over general E. slope.

19.95 Wash, 20 lks. wide, 3 ft. deep, drains S. 45° E., continue ascent.

20.75 Road, unimproved, bears N. 30° W. and S. 45° E., continue ascent.

39.97 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 24, at proportionate dist., there is no remaining evidence of the original cor.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S RIW

 $\frac{1}{4}$ S13

S24

1961

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Desc. 25 ft. over NW. slope. Enter scattered juniper.

46.45 Wash, 15 lks. wide, 2 ft. deep, drains N. 75° E.; asc. 285 ft. over SE. slope.

46.65 Road, unimproved, bears N. 75° E. and S. 75° W., continue ascent.

76.85 Spur, projects S.; desc. 30 ft. along S. slope.

79.94 The cor. of secs. 13, 14, 23 and 24.

Land, gently rolling.

Soil, rocky, gravelly loam.

Timber, none E. portion; scattered juniper W. portion.

Undergrowth, dense sagebrush, scattered cacti.

N. 0° 12' E., bet. secs. 13 and 14.

Over rolling land through dense sagebrush, medium oak brush and scattered juniper.

Asc. 215 ft. along E. slope.

28.70 Spur, projects E.; desc. 155 ft. over NE. slope.

36.80 Wash, 15 lks. wide, 6 ft. deep, drains S. 80° E.; asc. 55 ft. over S. slope.

37.50 Road, unimproved, bears E. and W.

39.62 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 14 at proportionate dist.; there is no remaining evidence of the original cor.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T25S RIW

 $\frac{1}{4}$

S14|S13

1961

Raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Dependent Survey of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains

Asc. 170 ft. over S. slope.

59.43 Point for the N. 1/16 sec. cor. of secs. 13 and 14.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, and in a collar of stone to top, with brass cap mkd.

T25S RLW

N 1/16

S14|S13

1961

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.

Desc. 125 ft. along E. slope.

71.00 Wash, 25 lks. wide, 8 ft. deep, drains SE. about 6.00 chs. thence E.; asc. 65 ft. over SE. slope.

75.60 Wash, 15 lks. wide, 5 ft. deep, drains SE., continue ascent.

79.24 The original cor. of secs. 11, 12, 13 and 14, monumented with a granite stone, 5x8x13 ins., loosely set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S RLW

S11|S12

S14|S13

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

Land, rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, dense sagebrush, medium oak brush and grasses.

From the cor. of secs. 7, 12, 13 and 18 on the E. bdy. of the Tp.

S. 89° 17' W., bet secs. 12 and 13.

Over rolling land through dense sagebrush.

Asc. 300 ft. over SE. slope.

36.55 Old road, bears NW. and SE.

40.15 The original ¼ sec. cor. of secs. 12 and 13, monumented with a granite stone, 8x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S RLW

¼ S12

S13

1961

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

S. $89^{\circ} 30'$ W., beginning new measurement.

Asc. 335 ft. over E. slope.

40.07 The cor. of secs. 11, 12, 13 and 14.

Land, rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, dense sagebrush and medium oak brush.

N. $0^{\circ} 08'$ W., bet. secs. 11 and 12.

Over rolling land through dense sagebrush.

Asc. 75 ft. along E. slope.

16.50 Road, unimproved, bears generally NE. and SW.; desc. 150 ft. over NE. slope.

29.20 Ravine, drains N. 80° E.; asc. 85 ft. over SE. slope.

40.14 Point for the $\frac{1}{4}$ sec. cor. of secs. 11 and 12 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

$\frac{1}{4}$

S11|S12

1961

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Asc. 85 ft. over SE. slope.

45.80 Top of ascent slopes E., thence along E. slope.

80.28 The original cor. of secs. 1, 2, 11 and 12, monumented with a granite stone, 6x8x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a collar of stone, to top, with brass cap mkd.

T25S R1W

S 2 | S 1

S11|S12

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

~~Dependent Boundary of a Portion of the Subdivision of T25 S., R. 1 W.~~

Chains

Land, rolling.
Soil, rocky, gravelly.
Timber, none.
Undergrowth, dense sagebrush and oak brush.

From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp.
S. 89° 33' W., bet. secs. 1 and 12.

Over rolling land through dense oak and sagebrush.

Asc. 40 ft. over gentle E. slope.

10.70 Base of hill, bears N. and S.; asc. 290 ft. over E. slope.

27.85 Power line, 3 wires, bears N. 35° W. and S. 35° 04' E., continue ascent.

40.40 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 12 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T25S R1W

$\frac{1}{4}$ S 1

S12

1961

Asc. 410 ft. over E. slope.

56.75 Road, bladed, bears S. 33° E. and N. 33° W., continue ascent.

80.80 The cor. of secs. 1, 2, 11 and 12.

Land, rolling.
Soil, rocky, gravelly.
Timber, none.
Undergrowth, dense sagebrush and oak brush.

N. 0° 25' E., bet. secs. 1 and 2.

Over rolling land through dense sagebrush.

Asc. 15 ft. along E. slope.

15.50 Ridge, bears NE. and SW.; desc. 130 ft. over NW. slope.

40.18 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T25S R1W

$\frac{1}{4}$ S 2

S12

1961

Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains

Desc. 210 ft. over NW. slope.

79.72 Power line, 3 wires, bears N. 33° 42' W. and S. 33° 42' E.

81.46 The cor. of secs. 1, 2, 35 and 36, hereinbefore described.

Land, rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, sagebrush, oak brush and serviceberry.

Reestablishment of the resurvey executed by Page and Swan in 1897.

From the standard cor. of secs. 34 and 35 on the S. bdy. of the Tp.

N. 2° 30' W., bet. secs. 34 and 35.

Over rolling land through medium to dense timber and undergrowth.

Asc. 40 ft. over gentle S. slope.

12.60 Wash, 10 lks. wide, 2 ft. deep, drains E.

20.80 Base of hill, bears E. and W.; asc. 320 ft. over steep S. slope.

38.70 Top of ascent, thence along E. slope.

39.70 The original $\frac{1}{4}$ sec. cor. of secs. 34 and 35, monumented with a granite stone, 8x12x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

 $\frac{1}{4}$

S34|S35

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

N. 0° 06' E., beginning new measurement.

Asc. 80 ft. along E. slope.

12.70 Leave dense juniper timber, enter dense oak brush.

13.00 Top of ascent, thence desc. 435 ft. over steep NE. slope.

37.40 Base of steep descent, thence along E. slope.

39.15 Spring of pure water, 2 lks. wide, flows S. 83° E.

41.96 The original cor. of secs. 26, 27, 34 and 34, monumented with a granite stone, 10x12x18 ins., firmly set, mkd. and witnessed as described in the official record, with small mound of stone to N.

Dependent Reestablishment of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

S27 S26

S34 S35

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Land, rolling to mountainous.

Soil; rocky, gravelly.

Timber, medium to dense juniper.

Undergrowth, dense oak brush and sagebrush.

Reestablishment of the survey executed by John G. Burrill in 1874.

From the cor. of secs. 25, 26, 35 and 36.

S. $89^{\circ} 24'$ W., bet. secs. 26 and 35.

Over rolling, mountainous land through dense undergrowth.

Asc. 95 ft. over NE. slope.

17.50 Ridge, bears NW. and SE.; desc. 365 ft. over steep SW. slope. Enter dense pinon and juniper.

33.40 Small ravine, drains S. 40° W., continue descent.

39.83 Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 35 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

$\frac{1}{4}$ S26

S35

1961

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

Desc. 230 ft. over SW. slope.

59.65 Road, gravel, to Burrville, bears NW. and SE.

60.40 Battle Creek, 5 lks. wide, flows SE.; asc. 95 ft. over NE. slope.

79.66 The cor. of secs. 26, 27, 34 and 35.

Land, rolling, mountainous.

Soil, rocky, gravelly.

Timber, dense pinon and juniper W. portion; none E. portion.

Undergrowth, dense sagebrush E. portion; scattered sagebrush W. portion.

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Dependent Resurvey of a Portion of the Subdivision of T25 S., R. 1

Chains

Reestablishment of the resurvey executed by Page and Swan in 1897.

N. 2° 08' W., bet. secs. 26 and 27.

Over rolling land through dense oak brush and sagebrush.

Asc. 120 ft. along E. slope.

22.30 Desc. 135 ft. over NE. slope.

33.50 Base of NE. slope, thence over nearly level bottom of Burr Creek.

39.40 Main stream of Burr Creek, water, 3 lks. wide, 6 ins. deep, flows S. 30° E.

40.70 Spring of Burr Creek, pure water, flows S.

41.14 The original $\frac{1}{4}$ sec. cor. of secs. 26 and 27, monumented with a granite stone, 8x10x12 ins., dimly mkd. and at cor. of fence bearing N. 0° 10' W. and fence bearing N. 87° 08' W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

$\frac{1}{4}$

S27|S26

1961

Bury original stone cor. alongside iron post.

From this cor., a spring of pure water, 3 lks. wide, bears N. 22° 40' E., 2.62 chs. dist., spring flows S.

N. 1° 28' E., beginning new measurement.

Asc. 405 ft. over SW. slope.

0.35 Small creek, drains S.

9.10 Road, unimproved, bears irregularly N. and S.

21.45 Road, gravel, leads to Burrville, bears N. 50° 45' W. and S. 34° 15' E.

39.57 The original cor. of secs. 22, 23, 26 and 27, monumented with a granite stone 8x12x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

S22|S23

S27|S26

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 3½ ft. base, 2½ ft. high, N. of cor.

~~Dependant Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 W.~~

Chains

Cor. is located on wood fence line bearing south.

Land, rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, sagebrush and oak brush.

Reestablishment of the survey executed by John G. Burrill in 1874.

From the cor. of secs. 23, 24, 25 and 26.

S. 89° 23' W., bet. secs. 23 and 26.

Over rolling land through dense sagebrush.

Asc. 220 ft. over NE. slope.

6.60 Bladed fire trail, bears NE. and SW.

12.50 Small ravine, drains N. 10° E. about 10.00 chs., thence NE., continue ascent.

38.70 Road, unimproved, bears N. 51° W. and S. 51° E., thence along S. slope.

40.27 The original $\frac{1}{4}$ sec. cor. of secs. 23 and 26, monumented with a volcanic stone, firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T25S R1W

$\frac{1}{4}$ S23

S26

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

S. 89° 56' W., beginning new measurement.

Continue along S. slope.

3.50 Desc. 150 ft. over NW. slope.

16.95 Wash, 10 lks. wide, 8 ft. deep, drains S. 20° W.; asc. 80 ft. over SE. slope.

17.80 Road, unimproved, bears N. 18° E. and S. 18° W., continue ascent.

34.50 Top of ascent slopes S.; desc. 75 ft. over SW. slope.

40.19 The cor. of secs. 22, 23, 26 and 27.

Land, rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, sagebrush and oak brush.

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

201210

Reestablishment of the resurvey executed by Andrew P. Hanson in 1891.

N. $0^{\circ} 15'$ E., bet. secs. 22 and 23.

Over rolling land through dense sagebrush.

Asc. 320 ft. over steep SW. changing to S. slope.

27.60 Ridge, bears irregularly N.; desc. 50 ft. along W. slope of ridge.

40.26 The original $\frac{1}{4}$ sec. cor. of secs. 22 and 23, monumented with a granite stone, 4x8x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

 $\frac{1}{4}$

S22|S23

1961

Bury original stone cor. alongside iron post.

N. $0^{\circ} 12'$ W., beginning new measurement.

Desc. 135 ft. along W. slope of ridge.

39.30 Junction of two roads, unimproved, from S. 78° E. and N. 55° E., bears W.

39.98 The original cor. of secs. 14, 15, 22 and 23, monumented with a granite stone, 6x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T25S R1W

S15|S14

S22|S23

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.

Soil, rocky, gravelly.

Timber, none.

Undergrowth, dense sagebrush.

Reestablishment of the survey executed by John G. Burrill in 1874.

From the cor. of secs. 13, 14, 23 and 24.

Reestablishment of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains	
	N. $89^{\circ} 57'$ W., bet. secs. 14 and 23.
	Over rolling land through dense sagebrush and scattered juniper.
	Asc. 30 ft. along S. slope.
5.30	Top of ascent, slopes S.; desc. 90 ft. over SW. slope.
11.60	Ravine, drains S.; asc. 10 ft. over gentle E. slope.
18.00	Top of ascent, slopes SW.; desc. 15 ft. over NW. slope.
23.00	Ravine, drains S. 15° W. about 2.00 chs., thence SE.; asc. 180 ft. over SE. slope.
40.06	The original $\frac{1}{4}$ sec. cor. of secs. 14 and 23, monumented with a granite stone, 4x10x16 ins., firmly set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T25S R1W $\frac{1}{4}$ S14 S23 1961
	Bury original stone cor. alongside iron post.
	Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.
	S. $89^{\circ} 57'$ W., beginning new measurement.
	Asc. 20 ft. over SE. slope.
2.50	Top of ascent, desc. 30 ft. over NW. slope.
7.00	Ravine, drains NE.; asc. 110 ft. over SE. slope.
34.20	Ridge, bears irregularly N. and S. Road, unimproved, bears NW. and SE., desc. 10 ft. over gentle W. slope of ridge.
39.30	Road, unimproved, bears N. 40° E. and irregularly W.
40.02	The cor. of secs. 14, 15, 22 and 23.
	Land, rolling.
	Soil, rocky gravel.
	Timber, scattered juniper E. portion; none W. portion.
	Undergrowth, dense sagebrush and scattered patches of oak brush.
	Reestablishment of the resurvey executed by Andrew P. Hanson in 1891.
	N. $0^{\circ} 36'$ E., bet. secs. 14 and 15.
	Over rolling land through sagebrush and oak brush.

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

Desc. 10 ft. along W. slope.

0.99 Fence, barbed wire, bears N. 84° 30' E. and S. 80° 30' W.

12.40 Desc. 305 ft. over NW. slope.

33.00 Base of NW. slope, thence along W. slope.

39.36 The original $\frac{1}{4}$ sec. cor. of secs. 14 and 15, monumented with a granite stone, 5x8x12 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point:

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a collar of stone to top, with brass cap mkd.

T25S RLW

$\frac{1}{4}$

S15|S14

1961

Bury original stone cor. alongside iron post.

From this cor., the SE. cor. of old log cabin bears N. 77° 48' W., 8.34 chs. dist.

N. 0° 08' W., beginning new measurement.

Desc. 25 ft. along W. slope.

9.30 Bottom of descent; asc. 20 ft. along W. slope.

39.20 Fence, barbed wire, bears N. 87° 05' W. about 5.00 chs. dist. and S. 87° 05' E., about 12.00 chs. dist.

40.42 Point for the cor. of secs. 10, 11, 14 and 15 at proportionate dist. bet. the $\frac{1}{4}$ sec. cor. of secs. 14 and 15 and the $\frac{1}{4}$ sec. cor. of secs. 10 and 11, and the $\frac{1}{4}$ sec. cor. of secs. 11 and 14 and the cor. of secs. 9, 10, 15 and 16; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S RLW

S10|S11

S15|S14

1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

Land, rolling.

Soil, rocky gravel.

Timber, none.

Undergrowth, dense sagebrush and scattered patches of dense oak brush.

Reestablishment of the survey executed by John G. Burrill, in 1874.

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains

From the cor. of secs. 11, 12, 13 and 14.

N. 89° 54' W., bet. secs. 11 and 14, to W. side of road.

Over mountainous land through sagebrush and oak brush.

Asc. 320 ft. over broken E. changing to N. slope.

13.20 Wood road, bears N. 040° E. and S. 40° W., continue ascent.

17.10 Ravine, 30 ft. deep, drains NE., continue ascent.

32.30 Ridge, bears N. and S., road, unimproved, follows top of ridge, desc. 45 ft. over W. slope.

38.75 The original $\frac{1}{4}$ sec. cor. of secs. 11 and 14, monumented with a granite stone, 6x7x15 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

$\frac{1}{4}$ S11

S14

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

N. 89° 19' W., beginning new measurement.

Desc. 125 ft. over W. slope.

20.61 Point for the W. 1/16 sec. cor. of secs. 11 and 14, at midpoint.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

W $\frac{1}{16}$ S11

S14

1961

Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

Desc. 85 ft. over W. slope.

41.22 The cor. of secs. 10, 11, 14 and 15.

Land, mountainous.

Soil, rocky gravel.

Timber, none.

Undergrowth, oak and sagebrush.

Reestablishment of the resurvey executed by Andrew P. Hanson in 1891.

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

N. 6° 39' W., bet. secs. 10 and 11.

Over rolling W. slope.

Asc. 20 ft. along W. slope.

24.50 Top of ascent, desc. 65 ft. along W. slope.

40.68 The original $\frac{1}{4}$ sec. cor. of secs. 10 and 11, monumented with a trachyte stone, 10x12x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

 $\frac{1}{4}$

S10|S11

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

N. 0° 23' W., beginning new measurement.

Asc. 55 ft. along rolling W. slope.

40.54 The original cor. of secs. 2, 3, 10 and 11, monumented with a granite stone, 8x13x20 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

S 3|S 2

S10|S11

1961

Bury original stone cor. alongside iron post.

Set a wooden post, 6 ft. long, alongside iron post for a guard post.

Land, gently rolling.

Soil, rocky gravel.

Timber, none.

Undergrowth, sagebrush and oak brush.

Reestablishment of the survey executed by John G. Burrill in 1874.

From the cor. of secs. 1, 2, 11 and 12.

N. 89° 07' W., bet. secs. 2 and 11.

Over mountainous land through sagebrush, oak brush and mahogany.

~~Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 W.~~

Chains

Asc. 260 ft. over E. slope.

15.00 Old wood road, on small bench of ridge, bears irregularly NE. and SW., asc. 310 ft. over steep E. slope.

33.20 Ridge, bears N. and S.; desc. 180 ft. over steep W. slope.

42.38 Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 11 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T25S R1W

$\frac{1}{2}$ S 2

S11

1961

Desc. 565 ft. over steep, broken W. slope.

63.57 Point for the W. $\frac{1}{16}$ sec. cor. of secs. 2 and 11, at midpoint.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T25S R1W

W $\frac{1}{16}$ S 2

16 S11

1961

Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

Desc. 250 ft. over W. slope.

84.76 The cor. of secs. 2, 3, 10 and 11.

Land, mountainous.

Soil, rocky gravel.

Timber, none.

Undergrowth, dense sagebrush, oak brush and mahogany.

Reestablishment of the resurvey executed by Andrew P. Hanson in 1891.

N. $4^{\circ} 04'$ E., bet. secs. 2 and 3.

Over gentle rolling land sloping NW., through dense undergrowth.

Desc. 110 ft. over gentle NW. slope.

11.50 Road, gravel, Burrville to Sigurd, bears N. 15° E. and S. 15° W.

15.10 E. end of Bear Valley Reservoir, about 2.00 chs. wide, bears SW.; asc. 20 ft. along gentle E. slope.

Point for the S. $\frac{1}{16}$ sec. cor. of secs. 2 and 3, at midpoint.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

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Dependent Resurvey of a Portion of the Subdivision of T. 25 N., R. 1 E.

Chains

T25S R1W

S $\frac{1}{16}$

16

S3|S2

1961

Continue along E. slope.

40.17

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3 at proportionate dist., based upon the original survey; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

 $\frac{1}{4}$

S3|S2

1961

Raise a mound of stone, 4 ft.-base, $2\frac{1}{2}$ ft. high, W. of cor.

Desc. 25 ft. along E. slope.

46.05

Old road, bears N. 10° W. and S. 10° E.

66.65

Wash, drains irregularly N.; asc. 20 ft. along W. slope.

69.10

Road, gravel, Burrville to Sigurd, bears N. 10° W., and S. 10° E.

79.84

The cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp. herein-before described.

Land, gently rolling.

Soil, rocky gravel.

Timber, none.

Undergrowth, sagebrush and oak brush.

Reestablishment of the survey executed by Page and Swan in 1897.

From the standard cor. of secs. 33 and 34, on the S. bdy. of the Tp.

N. $0^{\circ} 04'$ W., bet. secs. 33 and 34.

Over mountainous land through dense oak brush and medium timber.

Desc. 120 ft. over N. slope.

6.00

Ravine, drains S. 70° E.; asc. 250 ft. over SW. slope.

15.50

Spur, projects SE., thence by triangulation, desc. about 100 ft. over NE. slope. Topography approximated.

23.00

Old wood road, bears S. 40° E. and NW.

26.00

Creek, with stream of pure water, 3 lks. wide, flows SE. about 150 ft. over SW. slope.

37.00

Spur, projects SE. End triangulation, thence along E. slope.

Dependent Boundary of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains

39.66

The original $\frac{1}{4}$ sec. cor. of secs. 33 and 34, monumented with a trachyte stone, 8x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

$\frac{1}{4}$

S33|S34

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

North, beginning new measurement.

By triangulation, desc. about 200 ft. over NE. slope. Enter dense mahogany. Topography approximated.

15.80

Creek, with stream of pure water, 4 lks. wide, flows S. 40° E.; asc. about 250 ft. over steep SW. slope.

30.00

Spur, projects S. 45° E. End triangulation, thence along E. slope.

39.66

The original cor. of secs. 28 and 33 only, monumented with a trachyte stone, 8x12x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T25S R1W

S28|S34

S33

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

Continue along E. slope.

41.72

The original closing cor. of secs. 27 and 34, monumented with a trachyte stone, 6x13x20 ins., dimly mkd. and mound of stone E. of cor.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T25S

S28|S27 CC

S34

R1W

1961

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, E. of cor.

Land, mountainous.

Soil, rocky, gravelly.

Timber, mahogany on spurs, aspen in ravines.

Undergrowth, oak and sagebrush.

Reestablishment of the resurvey executed by Page and Swan in 1897,

From the cor. of secs. 26, 27, 34 and 35.

S. 88° 25' W., bet. secs. 27 and 34.

Over mountainous land through dense oak brush and sagebrush.

Asc. 40 ft. over gentle SE. slope.

21.70 End gentle ascent. Asc. 240 ft. over SE. slope.

29.83 Fence, barbed wire, bears N. and S., continue ascent.

39.87 The original ¼ sec. cor. of secs. 27 and 34, determined from the remains of a mound of stone. I accept this as the cor.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.

T25S R1W

¼ S27

S34

1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

Reestablishment of the survey executed by Page and Swan in 1897.

S. 88° 26' W., beginning new measurement.

Asc. 20 ft. over SE. slope.

2.50 Top of ascent, slopes S.; desc. 80 ft. over SW. slope.

13.25 Creek, with stream of pure water, 3 lks. wide, flows S. 70° E.; asc. 535 ft. over steep E. slope.

37.66 The closing cor. of secs. 27 and 34.

Land, mountainous.

Soil, rocky, fourth rate.

Timber, none.

Undergrowth, dense sagebrush and oak brush.

Dependent Survey of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains

North, along the W. bdy. of secs. 27.

Over rolling mountainous land through dense undergrowth.

Along E. slope.

2.50 Desc. 190 ft. over NE. slope.

22.00 Ravine, drains S. 41° E.; asc. 365 ft. along E. slope.

37.46 The original $\frac{1}{4}$ sec. cor. of secs. 28, monumented with a trachyte stone, 8x10x24 ins., firmly set, mkd. and witnessed as described in the official record, with large mound of stone W. of cor.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T25S R1W

$\frac{1}{4}$

S28

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

37.95 Ridge, bears N. 50° E. and S. 50° W.; desc. 15 ft. over NW. slope.

38.66 The original $\frac{1}{4}$ sec. cor. of sec. 27, monumented with a trachyte stone, 5x10x12 ins., firmly set, mkd. and witnessed as described in the official record, with mound of stone to E.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, 2 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T25S R1W

$\frac{1}{4}$

S27

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, E. of cor.

North, beginning new measurement.

Desc. 275 ft. over NE. slope.

5.00 Enter dense oak brush.

16.00 Ravine, drains N. 60° E.; asc. 250 ft. over SE. slope.

37.49 The original cor. of secs. 21 and 28, monumented with a trachyte stone, 8x10x24 ins., firmly set, mkd. and witnessed as described in the official record, with mound of stone to W.

At the cor. point

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a collar of stone, to top, with brass cap mkd.

T25S RLW

S21

S28

1961

Bury original stone cor. alongside iron post.

Reconstruct mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

- 39.52 The original closing cor. of sec. 27, monumented with a trachyte stone, 6x8x16 ins., firmly set in a mound of stone, and mkd. with dim CC on S. face. I add AM to the cor. stone, as per instructions in the Manual of Surveying Instructions.

- 39.71 Intersect the S. bdy. of sec. 22.

At point of intersection.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

S22

S21 S27

T25S RLW

C C

1961

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, S. of cor.

From this cor., the SW. cor. of sec. 22, hereinafter described, bears S. $86^{\circ} 40'$ W., 3.82 chs. dist.

Land, rolling, mountainous.

Soil, rocky, fourth rate.

Timber, patches of aspen.

Undergrowth, dense oak and sagebrush.

Reestablishment of the resurvey executed by Page and Swan in 1897.

From this cor. of secs. 22, 23, 26 and 27.

S. $86^{\circ} 40'$ W., bet. secs. 22 and 27.

Over rolling land through dense undergrowth.

Desc. 240 ft. over SW. slope.

- 18.75 Road, gravel, Burrville to Sigurd, at base of steep slope, bears NW. and SE.; desc. gentle SW. slope.

- 18.90 Wash, 25 lks. wide, 10 ft. deep, drains S.; asc. 90 ft. over gentle SE. slope.

- 40.14 Point for the $\frac{1}{2}$ sec. cor. of secs. 22 and 27 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

Dependent Boundary of a Portion of the Subdivision of T. 25 S., R. 1 W.

Chains

T25S R1W

$\frac{1}{4}$ S22

S27

1961

Asc. 350 ft. over E. slope.

73.60 Enter aspen timber; desc. 75 ft. over NW. slope.

74.90 Ravine, drains N. 80° E.; asc. 75 ft. over SE. slope.

76.99 The closing cor. of secs. 21 and 27, hereinbefore described.

80.81 The SW. cor. of sec. 22, monumented with a mound of stone. I accept as cor.
At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S

R1W

S22

S21

1961

Land, rolling.

Soil, rocky, gravelly.

Timber, none E. portion, aspen W. portion.

Undergrowth, sagebrush and oak brush.

Reestablishment of the survey executed by Page and Swan in 1897.

N. 0° 51' W.; along the W. bdy. of sec. 22.

Over mountainous land through scattered timber and dense undergrowth.

0.40 Ravine, drains S. 70° E.; asc. 75 ft. over SW. slope.

9.70 Top of ascent; desc. 75 ft. over NE. slope.

14.60 Ravine, drains E.; asc. 300 ft. over SE. slope.

31.00 Top of ascent, slopes E., thence along E. slope.

40.94 The original $\frac{1}{4}$ sec. cor. of sec. 21 and 22, monumented with a trachyte stone, 5x8x16 ins., set in small mound of stone, and mkd. and witnessed as described in the official record. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 21 only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

$\frac{1}{4}$

S21

1961

Bury original stone cor. alongside iron post.

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Reestablishment of the resurvey executed by Page and Swan in 1897.

N. $0^{\circ} 51'$ W., beginning new measurement.

1.11 Point for the W. $\frac{1}{4}$ sec. cor. of sec. 22 at midpoint.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T25S R1W

$\frac{1}{4}$

|S22

1961

6.00 Desc. 300 ft. over NE. slope.

43.16 The original cor. of secs. 15, 16, 21 and 22, monumented with a trachyte stone, 5x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T25S R1W

S16|S15

S21|S22

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky, third rate.

Timber, none.

Undergrowth, dense oak and sagebrush.

Reestablishment of the survey executed by Andrew P. Hanson in 1891.

From the cor. of secs. 14, 15, 22 and 23.

S. $89^{\circ} 33'$ W., bet. secs. 15 and 22.

Over rolling mountain land through dense undergrowth.

Desc. 340 ft. over gentle W. slope.

40.94 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 22 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

~~Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 W.~~

Chains

T25S RLW

½ S15

S22

1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

Desc. 50 ft. over W. slope.

42.65 Road, gravel, Burrville to Sigurd, bears irregularly N. and S. 30° E.

42.85 Old Burrville to Sigurd road, bears N. and S.

43.35 Wash, 15 lks. wide, 4 ft. deep, drains N.; asc. 180 ft. over E. slope.

61.41 Point for the W. 1/16 sec. cor. of secs. 15 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S RLW

W 1 S15

16 S22

1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

Asc. 290 ft. over E. changing to NE. slope.

81.88 The cor. of secs. 15, 16, 21 and 22.

Land, mountainous, rolling.

Soil, rocky, fourth rate.

Undergrowth, oak and sagebrush.

Timber, none.

Reestablishment of the resurvey executed by Page and Swan in 1897.

N. 0° 07' W., bet. secs. 15 and 16.

Over mountainous land through scattered timber and dense undergrowth.

Desc. 125 ft. over NE. slope.

15.85 Ravine, drains N. 70° E.; asc. 45 ft. over SE. slope.

27.30 Top of ascent, slopes E.; desc. 45 ft. along E. slope.

40.17 Point for the ½ sec. cor. of secs. 15 and 16 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a collar of stone to top, with brass cap mkd.

T25S RLW

½

S16 S15

1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

168

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

Asc. 15 ft. along E. slope.

43.50 Top of ascent, slopes E.; desc. 160 ft. over NE. slope.

49.65 Wash, in ravine, drains E.; asc. 335 ft. over SE. slope.

74.90 Top of ascent, slopes E.; desc. 75 ft. over NE. slope.

80.34 The original cor. of secs. 9, 10, 15 and 16, monumented with a trachyte stone, 7x9x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

S 9 | S10

S16 | S15

1961

Bury original stone cor. alongside iron post.

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

Land, rolling, mountainous.

Soil, rocky gravel.

Undergrowth, dense oak and sagebrush.

Timber, scattered aspen and juniper.

Reestablishment of the resurvey executed by Andrew P. Hanson in 1891

From the cor. of secs. 10, 11, 14 and 14.

S. 89° 53' W., bet. secs. 10 and 15.

Over rolling mountainous land through dense undergrowth.

Desc. 170 ft. over gentle W. slope.

2.20 Road, unimproved, bears NW. and SE.

23.30 Road, gravel, Burrville to Sigurd, bears N. 9° 30' E. and S. 10° W.

41.22 Point for the ¼ sec. cor. of secs. 10 and 15 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W

¼ S10

S15

1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

~~Dependent Reserve of a Portion of the Subdivision of T. 25 S., R. 1 W.~~

Chains

Reestablishment of the survey executed by Andrew P. Hanson in 1891.

Continue descent over gentle W. slope.

56.00 Asc. 50 ft. over gentle E. slope.

61.83 Point for the W. 1/16 sec. cor. of secs. 10 and 15.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T25S R1W
W 1 S10
16 S15
1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.

Asc. 180 ft. over E. slope.

64.00 Enter dense oak brush, continue ascent.

82.44 The cor. of secs. 9, 10, 15 and 16.

Land, rolling, mountainous.

Soil, rocky, fourth rate.

Undergrowth, dense sagebrush E. portion; dense oak and sagebrush W. portion.

Timber, none.

N. 0° 05' E., bet. secs. 9 and 10.

Over rolling mountainous land through scattered timber and dense undergrowth.

Asc. 75 ft. along E. slope.

3.30 Top of ascent, slopes E.; desc. 30 ft. over NE. slope.

6.30 Ravine, drains E.; asc. 70 ft. over SE. slope.

8.70 Top of ascent, slopes E.; desc. 25 ft. over NE. slope.

13.60 Ravine, drains E.; asc. 160 ft. over SE. slope.

25.20 Top of ascent, slopes E.; desc. 140 ft. over NE. slope.

35.00 Ravine, drains E.; asc. 35 ft. over SE. changing to E. slope.

39.90 Point for the ¼ sec. cor. of secs. 9 and 10 at proportionate dist.;

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W
¼
S 9 S10
1961

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

Asc. 150 ft. along rocky E. slope.

54.80 Asc. 130 ft. along gentle E. slope.

60.80 Enter rolling land.

79.80 The original cor. of secs. 3, 4, 9 and 10, determined from the remains of a mound of stone. I accept this as the cor.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T25S R1W
 $\frac{S}{S} \frac{4}{9} \frac{S}{S10} \frac{3}{10}$
 1961

Land, rolling, mountainous.

Soil, rocky, fourth rate.

Timber, scattered juniper S. portion; patches of spruce and aspen N. portion.

Undergrowth, oak and sagebrush.

 Reestablishment of the resurvey executed by Andrew P. Hanson in 1891.

From the cor. of secs. 2, 3, 10 and 11.

S. $89^{\circ} 05'$ W., bet. secs. 3 and 10.

Over rolling land through dense undergrowth.

Desc. 65 ft. over E. slope.

2.20 Road, gravel, Burrville to Sigurd, bears N. 15° E. and S. 10° W.

4.90 Road, unimproved, bears NW. to corrals about 12.00 dist.

24.00 Base of descent; asc. 45 ft. over gentle E. slope.

38.74 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R1W
 $\frac{1}{4} \frac{S}{S} \frac{3}{S10}$
 1961

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

 Reestablishment of the survey executed by Andrew P. Hanson in 1891.

Dependent Boundary of Portion of the Subdivision of T25S. R. 1W.

Chains

Asc. 180 ft. over steep E. slope. same to corner

58.11 Point for the W. 1/16 sec. cor. of secs. 3 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T25S R1W

W 1 S 3

16 S10

1961

Asc. 210 ft. over steep E. slope.

69.20 End steep ascent; asc. 20 ft. over gentle E. slope.

77.48 The cor. of secs. 3, 4, 9 and 10.

Land, rolling, mountainous.

Soil, rocky, fourth rate.

Undergrowth, dense oak and sagebrush.

Timber, none.

N. 0° 45' W., bet. secs. 3 and 4.

Over rolling land through scattered timber and dense undergrowth.

Desc. 45 ft. along gentle E. slope.

10.15 Small ravine, with jeep trail in bottom, drains N. 22° E.; asc. 10 ft. over gentle SE. slope.

20.10 Point for the S. 1/16 sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T25S R1W

S 1

16

S4 S3

1961

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.

Asc. 35 ft. over gentle SE. slope.

40.20 The original ¼ sec. cor. of secs. 3 and 4, as determined from a large mound of stone, with old oak post in mound. I accept this as the cor.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T25S R1W

¼

S4 S3

1961

Dependent Resurvey of a Portion of the Subdivision of T. 25 S., R. 1 E.

Chains

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

N. $0^{\circ} 23'$ W., beginning new measurement.

Asc. 75 ft. over SE. slope.

9.40 Top of ascent, slopes E.; desc. 70 ft. over gentle N. slope.

35.69 The cor. of secs. 3 and 4 on the N. bdy. of the Tp., hereinbefore described.

Land, rolling.

Soil, rocky, fourth rate.

Timber, scattered patches of aspen and spruce, N. portion; none S. portion.

Undergrowth, dense oak and sagebrush.

General Description

Township 25 South, Range 1 West, is located about 1 mile north of Burrville along the west side of State Highway No. 24 and the Koosharem Reservoir. The east portion is gently rolling prairie land covered with dense sagebrush. The west portion is mountainous land with dense oak brush, sagebrush, mahogany, spruce, pinon, juniper and aspen timber. The old Burrville to Sigurd road follows Bear Valley, north and south through the center of the township.

The soil is rocky, fourth rate. The eastern portion of the township drains east into the Koosharem Reservoir. The southwest portion is drained in a southerly direction by many ravines and washes draining into Burr Creek, that flow irregularly south through the southwest portion. The northwest portion drains to the north through Peterson Creek and its many small side ravines and washes.

The Fish Lake National Forest Boundary is located along the east boundary of section 5, the east $\frac{1}{2}$ along the south boundary of section 5, the north-south centerline of section 8, the east $\frac{1}{2}$ along the south bdy. of sec. 8, the east boundary of section 17, the north boundary of section 21, the east boundaries of sections 21 and 28, the north and east boundaries of section 34. The township is good for grazing sheep and cattle, and there is considerable private land in this area for that purpose. There are a lot of unimproved roads and old wood roads in the area. A lot of small springs of pure water are located along Burr Creek, and are the main source of water for irrigation in Burrville. Bear Valley Reservoir is located in the southeast corner of section 3.

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that,
in pursuance of special instructions bearing date of the 18th day of **April**, 19 **61**,
I have dependently resurveyed the east boundary, (Salt Lake Meridian), a
portion of the south boundary, (Fifth Standard Parallel South), a portion
of the north boundary and a portion of the subdivision of Township 25 South,
Range 1 West,

of the **Salt Lake** Meridian, in the State of **Utah**, which
are represented in the foregoing field notes as having been executed by me and under my direction;
and that said survey has been made in strict conformity with said special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

August 22, 1963

(Date)

Woodrow H. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the dependent resurvey of the east boundary, (Salt
Lake Meridian), a portion of the south boundary, (Fifth Standard Parallel
South), a portion of the north boundary and a portion of the subdivision
of Township 25 South, Range 1 West, Salt Lake Meridian, Utah.

executed by **Woodrow H. Sylvester - Cadastral Surveyor**

having been critically examined and found correct, are hereby approved.

NOV 6 1963

(Date)

E. E. Remington
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

1963 DEC 30 11 11 00 AM

FIELD NOTES

OF THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 4 NORTH, RANGE 13 WEST

Of the SALT LAKE Meridian,

The State of UTAH

EXECUTED BY

Boyd S. Owens - Cadastral Surveyor

Leonard W. Murphy - Survey Technician

Under the supervision of Woodrow H. Sylvester, Cadastral Surveyor

Under special instructions dated July 28, 1960, which provided

the surveys included under Group No. 442, approved July 29, 1960

Assignment instructions dated July 29, 1960

Survey commenced May 5, 1961

Survey completed May 9, 1961

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Township 4 NORTH, Range 13 WEST

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GPO 866119

Lines surveyed by Boyd S. Owens

Lines surveyed by Leonard W. Murphy

Township 4 North, Range 13 West

Chains

The north boundary (First Standard Parallel North), was surveyed by Andrew Nelson in 1928. The south boundary was surveyed by Andrew Nelson in 1925. The west boundary was surveyed concurrently by Boyd S. Owens in 1961. The east boundary is located within the Wendover Bombing and Gunnery Range, and is not surveyed in accordance with the special instructions.

The following field notes are those of the survey of a portion of the subdivision of Township 4 North, Range 13 West, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 570628 and 591189 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method, where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of section 34 is at latitude 41° 01' 46.7" N. and longitude 113° 17' 41.8" W. as adjusted from traverses to U.S.C. & G.S. triangulation station "South Newfoundland", located in section 31.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 17° east.

Survey of a Portion of the Subdivision of
Township 4 North, Range 13 West

Beginning at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the official record.

Survey of a Portion of the Subdivision of T. 4 N., R. 13 W.

CHAINS

N. 0° 02' W., bet. secs. 34 and 35.

Over level, barren desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 34 and 35.

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

T4N on N.; S35 on E.; R13W on S. and $\frac{1}{4}$ S34 on W. faces.
 Dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist.
 and raise a mound of earth, 4 ft. base, 2 $\frac{1}{2}$ ft. high,
 W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 26, 27, 34 and 35.

Set a fir post, 4x4 ins., 4 ft. long, 42 ins. in the ground, scribed as follows:

T4N S26 on NE.; R13W S35 on SE.; S34 on SW. and S27 on
 NW. faces. Dig pits, 18x18x12 ins., in each sec., 3
 ft. dist., and raise a mound of earth, 4 ft. base,
 2 ft. high, W. of cor.

Land, level, barren desert.
 Soil, wet, sticky, sandy clay.
 Vegetation, none.

N. 0° 02' W., bet. secs. 26 and 27.

Over level alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 27.

Set a fir post, 4x4 ins., 4 ft. long, 42 ins. in the ground, scribed as follows:

T4N on N.; S26 on E.; R13W on S. and $\frac{1}{4}$ S27 on W. faces.
 Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
 and raise a mound of earth, 4 ft. base, 2 $\frac{1}{2}$ ft. high,
 W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 22, 23, 26 and 27.

Set a fir post, 4x4 ins.; 4 ft. long, 42 ins. in the ground, scribed as follows:

T4N S23 on NE.; R13W S26 on SE.; S27 on SW. and S22 on
 NW. faces. Dig pits, 18x18x12 ins., in each sec., 4 ft.
 dist., and raise a mound of earth, 4 ft. base, 2 ft.
 high, W. of cor.

Land, level alkali desert.
 Soil, wet, sticky sandy clay.
 Vegetation, none.

N. 0° 02' W., bet. secs. 22 and 23.

Survey of a Portion of the Subdivision of T. 4 N., R. 13 W.

Chains

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 23.

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

T4N on NE. S23 on E.; R13W on S. and $\frac{1}{4}$ S22 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 14, 15, 22 and 23.

Set a fir post, 4x4 ins., 4 ft. long, 42 ins. in the ground, scribed as follows:

T4N S14 on NE.; R13W S23 on SE.; S22 on SW. and S15
on NW. faces. Dig pits, 18x18x12 ins., in each sec.,
3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base,
1 $\frac{1}{2}$ ft. high, W. of cor.

Land, level alkali desert.

Soil, sandy clay.

Vegetation, none.

N. 0° 02' W., bet. secs. 14 and 15.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 14 and 15.

Set a fir post, 4x4 ins., 4 ft. long, 42 ins. in the ground, scribed as follows:

T4N on N.; S14 on E.; R13W on S. and $\frac{1}{4}$ S15 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 10, 11, 14 and 15.

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

T4N S11 on NE.; R13W S14 on SE.; S15 on SW. and S10
on NW. faces. Dig pits, 18x18x12 ins., in each sec.,
3 ft. dist., and raise a mound of earth, 4 ft. high,
W. of cor.

Land, level alkali desert.

Soil, soft, sticky, sandy clay.

Vegetation, none.

N. 0° 02' W., bet. secs. 10 and 11.

Over level, barren alkali desert.

Survey of a Portion of the Subdivision of T. 4 N., R. 13 W.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 10 and 11.

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

T4N on N.; S11 on E.; R13W on S. and $\frac{1}{4}$ S10 on W. faces.

Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,

and raise a mound of earth, 3 ft. base, $1\frac{1}{2}$ ft. high,

W. of cor.

Continue over level desert.

66.26

Intersect the N. bdy. of the Tp. (First Standard Parallel North).

Point for the closing cor. of secs. 10 and 11.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

S11 on E.; CC T4N R13W on S. and S10 on W. faces.

Dig pits, 18x18x12 ins., SE. and SW. of cor., $3\frac{1}{2}$

ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,

$1\frac{1}{2}$ ft. high, S. of cor. Deposit glass at base of post.

From this cor., the standard $\frac{1}{4}$ sec. cor. of sec. 35, T. 5 N., R. 13 W., bears W. 19.09 chs. dist., and is monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the official record.

Land, level alkali desert.

Soil, clay.

Vegetation, none.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 03' W.$, bet. secs. 32 and 33.

Over level, barren alkali desert through scattered small salt brush.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S33 on E.; R13W on S. and $\frac{1}{4}$ S32 on W. faces.

Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,

and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S28 on NE.; R13W S33 on SE.; S32 on SW. and S29 on NW. faces, with 1 notch on S. and 4 on E. edges.

Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level alkali desert.

Soil, alkali clay.

Vegetation, scattered small salt brush.

W. 0° 03' W., bet. secs. 28 and 29.

Chains	
40.00	<p>Over level alkali desert through scattered small salt brush.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29.</p> <p>Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N on N.; S28 on E.; R13W on S. and $\frac{1}{4}$ S29 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high.</p> <p>Continue over level desert.</p>
80.00	<p>Point for the cor. of secs. 20, 21, 28 and 29.</p> <p>Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S21 on NE.; R13W S28 on SE.; S29 on SW. and S20 on NW. faces, with 2 notches on S. and 4 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.</p> <p>Land, level alkali desert. Soil, alkali clay. Vegetation, scattered small salt brush.</p>
40.00	<p>N. 0° 03' W., bet. secs. 20 and 21.</p> <p>Over level alkali desert, through scattered small salt brush.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21.</p> <p>Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N on N.; S21 on E.; R13W on S. and $\frac{1}{4}$ S20 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.</p> <p>Continue over level desert.</p>
80.00	<p>Point for the cor. of secs. 16, 17, 20 and 21.</p> <p>Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S16 on NE.; R13W S21 on SE.; S20 on SW. and S17 on NW. faces, with 3 notches on S. and 4 on E. edges. Dig pits, 18x18x12 ins. in each sec., 4 ft. dist.</p> <p>Land, level alkali desert. Soil, alkali clay. Vegetation, scattered small salt brush.</p>
40.00	<p>N. 0° 03' W., bet. secs. 16 and 17.</p> <p>Over level alkali desert through widely scattered small salt brush.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.</p>

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Survey of a Portion of the Subdivision of T. 4 N., R. 13 W.

Chains	80.00
Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:	
T4N on N.; S16 on E.; R13W on S. and $\frac{1}{2}$ S17 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.	
Continue over level desert.	
80.00 Point for the cor. of secs. 8, 9, 16 and 17.	
Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:	
T4N S9 on NE.; R13W S16 on SE.; S17 on SW. and S8 on NW. faces, with 4 notches on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.	
Land, level alkali desert. Soil, alkali clay. Vegetation, widely scattered small salt brush S. portion; none N. portion.	
N. 0° 03' W., bet. secs. 8 and 9.	
Over level, barren alkali desert.	
40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 8 and 9.	
Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:	
T4N on N.; S9 on E.; R13W on S. and $\frac{1}{2}$ S8 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.	
Continue over level land.	
66.48 Intersect the N. bdy. of the Tp. (First Standard Parallel North).	
Point for the closing cor. of secs. 8 and 9.	
Set a Redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:	
CC T4N R13W on S.; S8 on W. and S9 on E. faces, dig pits, 18x18x12 ins., W., E. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, S. of cor.	
From this cor., the standard $\frac{1}{2}$ sec. cor. of sec. 33, T. 5 N., R. 13 W., bears W., 19.09 chs. dist., and is monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the official record.	
Land, level, alkali desert. Soil, alkali clay. Vegetation, none.	
From the cor. of secs. 16, 17, 20 and 21.	
N. 89° 59' E., bet. secs. 16 and 21.	
Over level desert through scattered shadscale brush.	00.00

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Survey of a Portion of the Subdivision of T. 4 N., R. 13 W.

Chains

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
 Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:
 $\frac{1}{4}$ S16 on N.; T4N on E.; S21 on S. and R13W on W. faces.
 Dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.
 Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:
 T4N S15 on NE.; R13W S22 on SE.; S21 on SW. and S16 on NW. faces, with 3 notches on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, level alkali desert.

Soil, alkali clay.

Vegetation, scattered shadscale brush.

N. 0° 02' W., bet. secs. 15 and 16.

Over level alkali desert, through scattered shadscale brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
 Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:
 T4N on N.; S15 on E.; R13W on S. and $\frac{1}{4}$ S16 on W. faces.
 Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.
 Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:
 T4N S10 on NE.; R13W S15 on SE.; S16 on SW. and S9 on NW. faces, with 4 notches on S. and 3 on E. edges.
 Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level alkali desert.

Soil, alkali clay.

Vegetation, scattered small shadscale brush.

S. 89° 57' W., bet. secs. 9 and 16.

Over level alkali desert through widely scattered shadscale brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Survey of a Portion of the Subdivision of T4N R. 13 W.

Chains

Scribbled

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

S9 on N., T4N on E.; $\frac{1}{2}$ S16 on S. and R13W on W. faces.
Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist.,
and raise a mound of earth, 4 ft. base, 2 ft. high,
N. of cor.

Continue over level desert.

80.00

The cor. of secs. 8, 9, 16 and 17.

Land, level alkali desert.

Soil, alkali clay.

Vegetation, widely scattered shadscale brush.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.,
monumented with a 2 in. iron post, set, mkd. and witnessed as de-
scribed in the official record.

N. 0° 04' W., bet. secs. 31 and 32.

Over gently rolling land through scattered undergrowth.

Asc. 20 ft. over S. slope.

1.70 Spur, projects W., desc. 50 ft. over gentle NE. slope.

19.10 Wash, 20 lks. wide, 8 ft. deep, drains N. 50° E. from S. 75° W.

25.20 Wash, 15 lks. wide, 5 ft. deep, drains N. 85° E.

38.90 Road, unimproved, bears N. 10° W. and S. 10° E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground,
with brass cap mkd.

T4N R13W

$\frac{1}{2}$

S31|S32

1961

Raise a mound of earth and stone, 4 ft. base, 2 ft. high, W. of cor.

Thence over level desert.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground,
with brass cap mkd.

T4N R13W

S30|S29

S31|S32

1961

Raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, gently rolling S. portion; level desert N. portion.

Soil, alkali clay, sandy.

Vegetation, shadscale, bud sage and greasewood.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Survey of a Portion of the Subdivision of T. 4 N., R. 13 W.

Chains

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 58' W., bet. secs. 29 and 32.

Over level desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 42 ins. in the ground, scribed as follows:

$\frac{1}{4}$ S29 on N.; R13W on E.; S32 on S. and T4N on W. faces.
Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
N. of cor.

Continue over level desert.

60.10 Enter shadscale, greasewood and bud sage.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, level alkali desert.

Soil, alkali clay.

Vegetation, none E. portion; shadscale, bud sage and greasewood W. portion.

General Description

Township 4 North, Range 13 West is located in the Great Salt Lake Desert, and is level alkali desert land. The vegetation is from none to moderate salt brush, shadscale, bud sage and greasewood. One unimproved road was noted in the southwest corner of the township. No water is in the township.

The general elevation is about 4,200 ft. above sea level. The drainage is to the east. U.S.C. & G.S. triangulation station "South Newfoundland" is located in the southwest cor. of section 31. The second meridional section line is the boundary of the Wendover Bombing and Gunnery Range.

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that,
in pursuance of special instructions bearing date of the **28** day of **July**, 1960,
I have supervised the survey of a portion of the subdivision of Township
4 North, Range 13 West

of the **Salt Lake** Meridian, in the State of **Utah**, which
are represented in the foregoing field notes as having been executed ~~by me and~~ under my ~~direction~~ ^{supervision};
and that said survey has been made in strict conformity with said special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

August 23, 1963

(Date)

Woodrow H. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the survey of a portion of the subdivision of Township
4 North, Range 13 West, Salt Lake Meridian, Utah

executed by **Boyd S. Owens, Leonard W. Murphy - Cadastral Surveyor and Survey
Technician**, under the supervision of **Woodrow H. Sylvester, Cadastral Surveyor**
having been critically examined and found correct, are hereby approved.

NOV 7 1963

(Date)

E. S. Huntington
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE EAST BOUNDARY

OF TOWNSHIP 5 NORTH, RANGE 14 WEST

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AND THE

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY

OF TOWNSHIP 6 NORTH, RANGE 13 WEST

27

AND THE

SURVEY OF A PORTION

OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 5 NORTH, RANGE 13 WEST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

under the supervision of Woodrow H. Sylvester,
Cadastral Surveyor

under special instructions dated July 28, 1960, which provided

the surveys included under Group No. 442, approved July 29, 1960

assignment instructions dated July 29, 1960

Survey commenced May 12, 1961


Survey completed June 8, 1961

INDEX DIAGRAM

Township 5 NORTH, Range 13 WEST

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SPG 866119

Lines dependently resurveyed by Boyd S. Owens 

Lines surveyed by Boyd S. Owens 

Township 5 North, Range 13 West

Chains

The south boundary, (First Standard Parallel North), was surveyed by Andrew Nelson in 1928. The west and north boundaries were surveyed by A. R. Triamantes and L. W. Dougall in 1903. The east boundary is located within the Wendover Bombing and Gunnery Range, and is not surveyed at this time in accordance with the special instructions.

The following field notes are those of the dependent resurvey of the east boundary of Township 5 North, Range 14 West, the dependent resurvey of the south boundary of Township 6 North, Range 13 West, and the survey of a portion of the subdivision of Township 5 North, Range 13 West, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

Before restoring the corners, the lines of the original survey were retraced, and diligent search made for any evidence of the original corners or other calls of the original field note record.

The rules of proportionate measurement were applied to ascertain the position of the lost corners after exhausting every reasonable possibility of finding direct evidence of the lost corners.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 591189 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of section 35 is at latitude 41° 06' 03" N. and longitude 113° 17' 19" W. as adjusted from traverses to U. S. G. S. triangulation stations "Desert Peak", located in section 6.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 45' east.

Dependent Resurvey of the E. Bdy. of T. 5 N., R. 14 W.

Chains

Dependent Resurvey of the East Boundary of
Township 5 North, Range 14 West

Reestablishment of the survey executed by A. R. Talamantes and I. W. Dougall in 1903. The original corners are remonumented to function for Township 5 North, Range 14 West only.

Beginning at the standard cor. of T. 5 N., Rs. 13 and 14 W., monumented with a limestone, 6x8x12 ins., set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

SC
T5N
R14W | R13W
S36 | S31
1961

Bury original stone cor. alongside iron post and raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

N. 2° 18' E., along the E. bdy. of sec. 36.

Over mountainous land through scattered small sagebrush.

Desc. 10 ft. over NE slope.

4.20 Wash, 20 lks. wide, 4 ft. deep, drains SE.; asc. 110 ft. over steep, SW. slope.

10.50 Spur, projects SE., about 4.00 chs. dist.; asc. 20 ft. along E. slope.

13.60 Spur, projects E., about 4.00 chs. dist.; desc. 140 ft. along E. slope.

23.90 Draw, drains SE.; asc. 205 ft. over steep S. slope.

34.00 Large spur, projects S. 70° E.; desc. 15 ft. over NE slope.

38.20 Bottom of descent, asc. 30 ft. over steep SE slope.

40.05 Point for the ¼ sec. cor. of secs. 31 and 36 at proportionate dist.; there is no remaining evidence of the original cor. This cor. now functions as the ¼ sec. cor. of sec. 36, T. 5 N., R. 14 W. only.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5N
R14W | R13W
¼
S36 |
1961

Cor. is located on steep, SE. slope at base of small, broken ledge.

Dependent Resurvey of the E. Bdy. of T. 5 N., R. 14 W.

Chains

Asc. 10 ft. over SE. slope.

41.00 Finger of spur, projects E.; desc. 140 ft. over NE. slope.

46.00 Draw, drains S. 70° E.; asc. 75 ft. over SW. slope.

51.40 Spur, projects E. about 7.00 chs. dist.; desc. 70 ft. over NE. slope.

57.10 Draw, drains SE.; asc. 160 ft. over steep S. slope.

64.20 Spur, projects SE. about 4.50 chs. dist.; desc. 50 ft. over NE. slope.

68.30 Draw, drains SE.

72.10 Branch of same draw, drains SE.; asc. 60 ft. over steep S. slope.

80.10 Point for original cor. of secs. 25, 30, 31 and 36, at proportionate dist. There is no remaining evidence of the original cor. This cor. now functions as the cor. of secs. 25 and 36, T. 5 N., R. 14 W., only. Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5N
R14W R13W
S25
S36
1961

Cor. is located on steep, gravelly S. slope.

Land, mountainous.

Soil, gravelly.

Vegetation, scattered small sage brush.

N. 2° 18' E., along the E. bdy. of sec. 25.

Over mountainous land through scattered small shadscale brush.

Asc. 80 ft. over steep S. slope.

6.80 Spur, projects E.; desc. 280 ft. over steep NE. slope.

26.70 Wide draw, drains E.; asc. 175 ft. over steep SE. slope.

40.05 Point for the original ¼ sec. cor. of secs. 25 and 30 at proportionate dist.; there is no remaining evidence of the original cor. This cor. now functions as the ¼ sec. cor. of sec. 25, T. 5 N., R. 14 W. only.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, and in a collar of stone to top, with brass cap mkd.

T5N
R14W R13W
¼
S25
1961

Asc. 555 ft. over steep SE. slope.

71.20 Spur, projects E.; desc. 80 ft. over N. slope.

Dependent Resurvey of the E. Bdy. of T. 5 N., R. 14 W.

Chains

- 75.10 Draw, drains E.; asc. 5 ft. over S. slope.
- 76.60 Small spur, projects E.; desc. 10 ft. over N. slope.
- 79.00 Small draw, drains E.; asc. 10 ft. over S. slope.
- 80.10 The original cor. of secs. 19, 24, 25 and 30, monumented with a limestone, 6x12x18 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 24 and 25., T. 5 N., R. 14 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5N.
R14W R13W
824
825
1961

Bury original stone cor. alongside iron post.

Land, mountainous.

Soil, gravelly clay.

Vegetation, scattered small shadscale brush.

N. 0° 03' E., along the E. bdy. of sec. 24.

Over mountainous land through scattered small shadscale brush.

Asc. 305 ft. over steep SE. slope.

- 4.40 Small draw, drains E.; continue ascent.
- 15.70 Spur, projects E.; desc. 100 ft. over N. slope.
- 19.90 Small draw, drains N. 70° E.; asc. 15 ft. over SE. slope.
- 21.40 Small spur, projects N. 70° E.; desc. 30 ft. over N. slope.
- 25.80 Small draw, drains E.; asc. 35 ft. over S. slope.
- 29.10 Spur, projects E.; desc. 350 ft. over steep, broken N. slope.
- 39.80 Draw, drains N. 30° E.; asc. 5 ft. over SE. slope.
- 40.27 The original ¼ sec. cor. of secs. 19 and 24, monumented with a limestone, 6x8x16 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the ¼ sec. cor. of sec. 24, T. 5 N., R. 14 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

W. 1/2 Sec. 13, T. 5 N., R. 14 W.

Chains

T5N

R14W R13W

S24

1961

Bury original stone cor. alongside iron post.

N. 0° 02' E., beginning new measurement.

Continue over mountainous land.

Asc. 5 ft. over SE. slope.

1.70 Spur, projects E.; desc. 440 ft. over N. slope.

13.40 Draw, drains N. 30° E., continue descent.

26.80 Bottom of descent, thence over nearly level bottom land.

35.20 Center of wide draw, drains E.

40.18 The original cor. of secs. 13, 18, 19 and 24, monumented with a limestone, 6x8x16 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 13 and 24, T. 5 N., R. 14 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5N

R14W R13W

S13

S24

1961

Bury original stone cor. alongside iron post.

Land, mountainous.

Soil, broken limestone and clay.

Vegetation, scattered to medium small shadscale brush.

N. 0° 02' E., along the E. bdy, of sec. 13.

Over mountainous land through medium small shadscale brush.

Asc. 50 ft. over SW. slope.

9.00 E. end of spur, projects SE.; desc. 40 ft. over NE. slope.

13.00 Draw, drains SE.; asc. 115 ft. over SW. slope.

24.10 Spur, projects W.; desc. 50 ft. over NW. slope.

30.00 Same draw, drains S. 15° W.; asc. 25 ft. over SE. slope.

35.90 Same draw, drains SE. about 3.00 chs., thence irregularly S.; asc. 55 ft. over SW. slope.

Dependent Resurvey of the E. Bdy. of T. 5 N., R. 14 W.

Chains

- 40.24 Point for the original $\frac{1}{4}$ sec. cor. of secs. 13 and 18 at proportionate dist. falls in wash, 30 lks. wide, 5 ft. deep, drains S.; there is no remaining evidence of the original cor. This point now functions as the true point for the $\frac{1}{4}$ sec. cor. of sec. 13, T. 5 N., R. 14 W. only.
- 40.63 Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 13, T. 5 N., R. 14 W.
- Set an iron post; 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T5N
R14W R13W
↓
S13
W C
1961
- Asc. 625 ft. over steep SW. slope.
- 79.50 Spur, projects N. 80° W.; desc. 10 ft. over N. slope.
- 80.48 The original cor. of secs. 7, 12, 13 and 18, monumented with a limestone, 6x12x16 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 12 and 13, T. 5 N., R. 14 W. only.
- At the cor. point
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T5N
R14W R13W
S12
S13
1961
- Bury original stone cor. alongside iron post.
- Land, mountainous.
- Soil, broken limestone, fourth rate.
- Vegetation, medium small shadscale brush.
-
- N. $0^{\circ} 06'$ W.; along the E. bdy. of sec. 12.
- Over mountainous land through widely scattered scrub juniper timber.
- Desc. 155 ft. over steep N. slope.
- 8.70 Head of draw, drains W.; asc. 155 ft. over SW. slope.
- 15.30 Spur, projects W.; desc. 215 ft. over NE slope.
- 30.40 Head of draw, drains S. 70° E.; asc. 155 ft. over SW. slope.
- 35.90 Spur, projects SE.; desc. 40 ft. along steep E. slope.
- 40.64 The original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, monumented with a limestone, 6x10x18 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 12, T. 5 N., R. 14 W. only.

W 14 W

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5N

R14W R13W

4

S12

1961

Bury original stone cor. alongside iron post.

N. 0° 14' E., beginning new measurement.

Continue over mountainous land.

Desc. 15 ft. over NE. slope.

0.20 Head of draw, drains E.; asc. 140 ft. over SW. slope.

4.70 Spur, projects S. 70° E.; desc. 45 ft. along E. slope.

9.80 Spur, projects E.; desc. 95 ft. over steep N. slope.

14.20 Head of draw, drains N. 80° E.; asc. 460 ft. along steep, broken E. slope.

36.50 Main ridge of Newfoundland Mountain Range, bears irregularly N. and S.; desc. 65 ft. along W. slope.

40.00 The original cor. of secs. 1, 6, 7 and 12, monumented with a limestone, 6x8x16 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 1 and 12, T. 5 N., R. 14 W. only.

At the 'cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over cross (X) cut in solid limestone, and in a mound of stone; 4 ft. base to top, with brass cap mkd.

T5N

R14W R13W

S1

S12

1961

Bury original stone cor. in mound of stone alongside iron post.

Land, mountainous.

Soil, broken limestone, fourth rate.

Timber, widely scattered scrub juniper.

N. 88° 06' E., along the E. bdy. of sec. 1

Over mountainous land, through scattered small scrub juniper.

Asc. 15 ft. along steep, broken W. slope.

W12

W12

1961

Dependent Resurvey of the E. Edy. of T. 5 N., R. 14 W.

Chains

- 3.80 Main ridge of New Foundland Mountain Range, bears irregularly N. and S.; desc. 160 ft. along steep, broken E. slope.
- 8.40 Bottom of descent; asc. 125 ft. along steep, broken E. slope.
- 20.30 Spur, projects E.; desc. 185 ft. over steep N. slope.
- 24.70 Draw, drains E.; asc. 30 ft. over S. slope.
- 29.80 Spur, projects S. 70° E.; desc. 60 ft. over NE. slope.
- 38.70 Head of draw, drains SE.; asc. 30 ft. over S. slope.
- 39.72 The original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, monumented with a limestone, 8x10x16 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 1, T. 5 N., R. 14 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., on solid limestone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5N
R14W R13W

$\frac{1}{4}$
S 1
1961

Bury original stone cor. in mound of stone alongside iron post.

From this cor., U. S. L. M. No. 1, monumented with a wooden post, 8x8 ins., 7 ft. above ground, firmly set and plainly mkd., bears N. 78° 16' E., 21.63 chs. dist.

N. 0° 19' E., beginning new measurement.

Continue over mountainous land.

- () Asc. 70 ft. over steep, broken S. slope.
- 2.60 Main ridge of New Foundland mountain range, bears W. about 5.00 chs., thence curves irregularly SE. By triangulation, desc. about 860 ft. over broken and ledgy NE. slope. Topography approximated.
- 11.50 Approximate dist. to base of steep descent, thence desc. over NE. slope.
- 27.00 Approximate dist. to road, unimproved, bears NW. and SE.
- 44.40 The original cor. of Tps. 5 and 6 N., Rs. 13 and 14 W., monumented with a limestone, 10x12x18 ins., set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T6N
R14W R13W

S36 S31
S 1 S 6

T5N
1961

Dependent Resurvey of the E. Bdy. of T. 5 N., R. 14 W.

Chains

Bury original stone cor. alongside iron post.

Cor. is located 50 lks. west of large, dry wash, drains NW.

Land, mountainous, broken.

Soil, broken limestone, fourth rate.

Timber, scattered scrub juniper.

Dependent Resurvey of the South Boundary of
Township 6 North, Range 13 West

Reestablishment of the survey executed by A. R. Tlamantes and I. W. Dougall in 1903. Original corners are remonumented to function for Township 6 North, Range 13 West only.

The cor. of Tps. 5 and 6 N., Rs. 12 and 13 W., monumented with a limestone, 2x8x18 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the SE. cor. of T. 6 N., R. 13 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T6N R13W S36 on NW. face, with 6 notches on N. and W. edges. Dig pits, 18x18x12 ins., N. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, NW. of cor. Bury original stone cor. alongside fir post.

S. 89° 56' W., along the S. bdy. of sec. 36.

Over level alkali desert through scattered small salt brush.

40.04 The original $\frac{1}{4}$ sec. cor. of secs. 1 and 36, monumented with a limestone, 4x4x6 ins., dimly mkd., set, and witnessed as described in the official record. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 36, T. 6 N., R. 13 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T6N R13W $\frac{1}{4}$ S36 on N. face, bury original stone cor. alongside fir post.

S. 89° 56' W., beginning new measurement.

Continue over level, barren desert.

40.02 The original cor. of secs. 1, 2, 35 and 36, monumented with a limestone, 3x8x10 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 35 and 36, T. 6 N., R. 13 W. only.

At the cor. point

200

Dependent Resurvey of the S. Bdy. of T. 6 N., R. 13 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T6N R13W on N.; S35 on W. and S36 on E. faces. Bury original stone cor. alongside fir post.

Land, level, alkali desert.

Soil, alkali clay, fourth rate.

Vegetation, scattered small brush E. portion; none W. portion.

S. 89° 57' W., along the S. bdy. of sec. 35.

Over level, barren desert.

40.01 The original $\frac{1}{4}$ sec. cor. of secs. 2 and 35, monumented with a limestone, 5x12x18 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 35, T. 6 N., R. 13 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T6N R13W $\frac{1}{4}$ S35 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Bury original stone cor. alongside fir post.

S. 89° 57' W., beginning new measurement.

Continue over level desert, through scattered small salt brush.

39.99 The original cor. of secs. 2, 3, 34 and 35, monumented with a limestone, 4x4x6 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 34 and 35, T. 6 N., R. 13 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T6N R13W on N.; S35 on E. and S34 on W. faces. Raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.. Bury original stone cor. alongside fir post.

Land, level, alkali desert.

Soil, alkali clay, fourth rate.

Vegetation, none E. portion; scattered small salt brush W. portion.

S. 89° 54' W., along the S. bdy. of sec. 34.

Over level, alkali desert through scattered small salt brush.

40.00 Point for the original $\frac{1}{4}$ sec. cor. of secs. 3 and 34 at proportionate dist.; there is no remaining evidence of the original cor. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 34, T. 6 N., R. 13 W. only.

Dependent Boundary of the S. Bdy. of T. 6 N., R. 13 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T6N R13W $\frac{1}{4}$ S34 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level desert.

80.00 The original cor. of secs. 3, 4, 33 and 34, monumented with a limestone, 4x8x10 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 33 and 34, T. 6 N., R. 13 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T6N R13W

S33|S34

T5N

1961

Bury original stone cor. alongside iron post and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Land, level, alkali desert.

Soil, alkali clay, fourth rate.

Vegetation, scattered small salt brush.

S. 89° 52' W., along the S. bdy. of sec. 33.

Asc. 250 ft. over rolling land through medium greasewood and shadscale.

16.00 Road, bladed dirt, bears N. 30° E. and S. 30° W.

38.50 Spur, projects SE; desc. 15 ft. over SW. slope.

39.94 The original $\frac{1}{4}$ sec. cor. of secs. 4 and 33, monumented with a limestone, 6x6x18 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 33, T. 6 N., R. 13 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T6N R13W

$\frac{1}{4}$ S33

T5N

1961

Bury original stone cor. alongside iron post.

S. 89° 56' W., beginning new measurement.

Dependent Resurvey of the S. Bdy. of T. 6 N., R. 13 W.

Chains

Over rolling land.

Desc. 15 ft. over SW. slope.

4.10 Small draw, drains SE.; asc. 65 ft. over E. slope.

6.70 Spur, projects S. about 2.00 chs. dist.; desc. 60 ft. over SW. slope.

15.90 Road, bladed dirt, bears NW. and SE.

18.60 Wash, 30 lks. wide, 5 ft. deep, drains SE.; asc. 50 ft. over gentle NE. slope.

35.10 Wash, 20 lks. wide, 5 ft. deep, drains SE.; asc. 75 ft. over steep E. slope.

39.58 The original cor. of secs. 4, 5, 32 and 33, monumented with a limestone, 6x6x18 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 32 and 33, T. 6 N., R. 13 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T6N R13W

S32|S33

T5N

1961

Bury original stone cor. in mound of stone, alongside iron post.

Land, rolling, mountainous.

Soil, clay and broken limestone.

Timber, scattered scrub juniper.

Undergrowth, scattered greasewood and shadscale.

S. 89° 44' W., along the S. bdy. of sec. 32.

Over mountainous land through scattered scrub juniper.

By triangulation, asc. about 90 ft. over steep E. slope. Topography approximated.

5.30 Approximate dist. to spur, projects SE.; asc. about 490 ft. along broken S. slope.

35.40 End triangulation on spur, projects S. 30° E.; desc. 25 ft. along S. slope.

39.97 The original ¼ sec. cor. of secs. 5 and 32, monumented with a porphyry stone, 6x8x18 ins., set, mkd. and witnessed as described in the official record. This cor. now functions as the ¼ sec. cor. of sec. 32, T. 6 N., R. 13 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., on solid stone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T6N R13W

¼ S32

T5N

1961

Dependent Survey of the S. Bdy. of T. 6 N., R. 13 W.

Chains

Bury original stone cor. in mound of stone, alongside iron post.

West, beginning new measurement.

Continue over mountainous land.

By triangulation, desc. about 150 ft. along broken S. slope.
Topography approximated.

5.00 Approximate dist. to draw, drains S. about 8.00 chs., thence SE.;
asc. about 940 ft. over steep, broken E. changing to S. slopes.

39.85 The original cor. of secs. 5, 6, 31 and 32, monumented with a lime-
stone, 6x8x24 ins., set, mkd. and witnessed as described in the
official record. This cor. now functions as the cor. of secs. 31
and 32, T. 6 N., R. 13 W. only. End triangulation.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., on solid stone, and
in a mound of stone, 4 ft. base to top, with brass cap mkd.

T6N R13W

S31 | S32

T5N

1961

Bury original stone cor. alongside iron post, in mound of stone.

Cor. is located on steep S. slope.

Land, mountainous, broken.

Soil, clay, broken limestone.

Timber, scattered scrub juniper.

Undergrowth, sagebrush.

N. 89° 36' W., along the S. bdy. of sec. 31.

Over broken, mountainous land through scattered juniper and sagebrush.

By triangulation, asc. about 740 ft. over steep, broken SE. slope.
Topography approximated.

20.90 Main ridge of Newfoundland Mountain Range, bears N. 26° E. and
S. 26° W. End triangulation. Desc. 530 ft. over steep, broken NW.
slope.

40.58 The original ¼ sec. cor. of secs. 6 and 31, monumented with a sand-
stone, 6x12x18 ins., set, mkd. and witnessed as described in the
official record. This cor. now functions as the ¼ sec. cor. of
sec. 31, T. 6 N., R. 13 W. only.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground
and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T6N R13W

S31 | S32

T5N

1961

Dependent Resurvey of the S. Bdy. of T. 6 N., R. 13 W.

Chains

Bury original stone cor. alongside iron post.

From this cor., U. S. G. S. triangulation station, "Desert Peak", bears S. 28° 19' E., 17.52 chs. dist. Latitude 41° 11' 09.947" N., Longitude 113° 22' 02.427" W.

S. 89° 49' W., beginning new measurement.

Continue over mountainous land.

Desc. 110 ft. over steep, broken NW. slope.

4.45 Rocky spur, projects W., thence by triangulation, desc. about 1,150 ft. over steep W. slope. Topography approximated.

53.30 Approximate dist. to wash, 2.00 chs. wide, 5 ft. deep, drains NW.; asc. 5 ft. over NE. slope.

54.28 The cor. of Tps. 5 and 6 N., Rs. 13 and 14 W., hereinbefore described

Land, mountainous, broken.

Soil, broken limestone.

Timber, scattered scrub juniper.

Survey of a Portion of the Subdivision of
Township 5 North, Range 13 West

From the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp., monumented with a fir post, 12 ins. above ground, set, mkd. and witnessed as described in the official record.

N. 0° 01' W., bet. secs. 35 and 36.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

TSN on N.; S36 on E.; R13W on S. and $\frac{1}{4}$ S35 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
and raise a mound of earth, 3 ft. base, 2 ft. high, W.
of cor.

Continue over level, alkali desert.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

TSN S25 on NE.; R13W S36 on SE.; S35 on SW. and S26 on NW.
faces, with 1 notch on S. and E. edges. Dig pits, 18x18x
12 ins., in each sec., 4 ft. dist. and deposit glass at
base of post.

Land, level, barren alkali desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

N. 0° 01' W., bet. secs. 25 and 26.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 26.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S25 on E.; R13W on S. and $\frac{1}{4}$ S26 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert, enter scattered small salt brush.

80.00 Point for the cor. of secs. 23, 24, 25 and 26.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S24 on NE.; R13 S25 on SE.; S26 on SW. and S23 on NW. faces, with 2 notches on S. and 1 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. and deposit glass in hole alongside fir post.

Land, level, alkali desert.

Soil, heavy alkali clay.

Vegetation, none S. portion; scattered small salt brush N. portion.

N. 0° 01' W., bet. secs. 23 and 24.

Over level, alkali desert through scattered small salt brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 24.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S24 on E.; R13W on S. and $\frac{1}{4}$ S23 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 13, 14, 23 and 24.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S13 on NE.; R13W S24 on SE.; S23 on SW. and S14 on NW. faces, with 3 notches on S. and 1 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. and deposit glass in hole alongside fir post.

Land, level, alkali desert.

Soil, heavy clay and alkali.

Vegetation, scattered small salt brush.

N. 0° 01' W., bet. secs. 13 and 14.

200

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

- Over level, alkali desert, through scattered small salt brush.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 14.
- Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:
- T5N on N.; S13 on E.; R13W on S. and $\frac{1}{4}$ S14 on W. faces, dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.
- Continue over level desert.
- 80.00 Point for the cor. of secs. 11, 12, 13 and 14.
- Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:
- T5N S12 on NE.; R13W S13 on SE.; S14 on SW. and S11 on NW. faces, with 4 notches on S. and 1 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist., and deposit glass in hole alongside fir post.
- Land, level, alkali desert.
Soil, heavy alkali and clay.
Vegetation, scattered small salt brush S. portion; none N. portion.
-
- N. 0° 01' W., bet. secs. 11 and 12.
- Over level, alkali desert.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 11 and 12.
- Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:
- T5N on N.; S12 on E.; R13W on S. and $\frac{1}{4}$ S11 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.
- Continue over level barren desert.
- 80.00 Point for the cor. of secs. 1, 2, 11 and 12.
- Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:
- T5N S1 on NE.; R13W S12 on SE.; S11 on SW. and S2 on NW. faces, with 5 notches on S. and 1 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist., and deposit glass in hole alongside fir post.
- Land, level, barren desert.
Soil, heavy clay and alkali.
Vegetation, none.
-
- N. 0° 01' W., bet. secs. 1 and 2.

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

40.00

Over level, barren desert.

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S1 on E.; R13W on S. and $\frac{1}{4}$ S2 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level barren desert.

80.00

Point for the $\frac{1}{16}$ sec. cor. of secs. 1 and 2.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S1 on E.; R13W 80 on S. and $\frac{1}{16}$ S2 on W. faces. Dig pits, 18x18x12 ins., NE., NW., SE. and SW. of cor., 4 ft. dist.

85.71

Intersect the N. bdy. of the Tp.

Point for the closing cor. of secs. 1 and 2.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows;

S1 on E.; CC T5N R13W on S. and S2 on W. faces. Dig pits, 18x18x12 ins., E., W. and S. of cor., 4 ft. dist.

From this cor., the $\frac{1}{4}$ sec. cor. of sec. 35, T. 6 N., R. 13 W., bears S. 89° 57' W., 18.34 chs. dist., and is monumented with a fir post, hereinbefore described.

Land, level, barren desert.
Soil, heavy clay and alkali.
Vegetation, none.

From the cor. of secs. 1, 2, 11 and 12.

West, bet. secs. 2 and 11.

Over level, barren desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

$\frac{1}{4}$ S2 on N.; R13W on E.; S11 on S. and T5N on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level, barren desert.

80.00

Point for the cor. of secs. 2, 3, 10 and 11.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

T5N S2 on NE.; R13W S11 on SE.; S10 on SW. and S3 on NW. faces, with 5 notches on S. and 2 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist., and deposit glass alongside fir post.

Land, level, barren desert.
Soil, heavy clay and alkali.
Vegetation, none.

N. 0° 02' W., bet. secs. 2 and 3.

Over level desert through scattered small salt brush.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S2 on E.; R13W on S. and $\frac{1}{4}$ S3 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00

Point for the $\frac{1}{16}$ sec. cor. of secs. 2 and 3.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S2 on E.; R13W 80 on S. and $\frac{1}{16}$ S3 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

85.64

Intersect the N. bdy. of the Tp.

Point for the closing cor. of secs. 2 and 3.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

CC T5N R13W on S.; S3 on W. and S2 on E. faces. Dig pits, 18x18x12 ins., E., W. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, S. of cor.

From this cor., the $\frac{1}{4}$ sec. cor. of sec. 34, T. 6 N., R. 13 W., bears S. 89° 54' W., 18.31 chs. dist. and is monumented with a fir post, hereinbefore described.

Land, level, alkali desert.
Soil, heavy clay and alkali.
Vegetation, scattered small salt brush.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 2, on the N. bdy. of the Tp. and at midpoint bet. the closing cor. of secs. 1 and 2, and the closing cor. of secs. 2 and 3.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Survey of a Portion of the Subdivision of T. 6 N., R. 13 W.

Chains

T5N R13W $\frac{1}{4}$ S2 on S. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, S. of cor.

From this cor., the cor. of secs. 34 and 35, T. 6 N., R. 13 W., bears S. 89° 57' W., 18.32 chs. dist., and is monumented with a fir post, hereinbefore described.

From the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., 6 ins. above ground, mkd. and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 33 and 34.

Over level, barren desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S34 on E.; R13W on S. and $\frac{1}{4}$ S33 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S27 on NE.; R13W S34 on SE.; S33 on SW. and S28 on NW. faces, with 1 notch on S. and 3 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.

Soil, muddy, heavy clay and alkali.

Vegetation, none.

N. 0° 02' W., bet. secs. 27 and 28.

Over level, barren desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S27 on E.; R13W on S. and $\frac{1}{4}$ S28 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S22 on NE.; R13W S27 on SE.; S28 on SW. and S21 on NW.

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

faces, with 2 notches on S. and 3 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.

Soil, heavy clay, alkali and muddy.

Vegetation, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over level desert through scattered small salt brush.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set a redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S22 on E.; R13W on S. and $\frac{1}{4}$ S21 on W. faces.

Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

Set a redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S15 on NE.; R13W S22 on SE.; S21 on SW. and S16 on NW. faces, with 3 notches on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level desert.

Soil, heavy clay and alkali, muddy.

Vegetation, scattered small salt brush.

N. 0° 02' W., bet. secs. 15 and 16.

Over level desert through scattered small salt brush.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S15 on E.; R13W on S. and $\frac{1}{4}$ S16 on W. faces.

Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00

Point for the cor. of secs. 9, 10, 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S10 on NE.; R13W S15 on SE.; S16 on SW. and S9 on NW. faces, with 4 notches on S. and 3 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

Land, level desert.
Soil, heavy clay and alkali, muddy.
Vegetation, scattered small salt brush.

N. 0° 02' W., bet. secs. 9 and 10.

Over level desert through scattered small salt brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set a redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S10 on E.; R13W on S. and $\frac{1}{4}$ S9 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

77.70 Leave level desert, bears irregularly NE. and SW., enter slightly rolling land sloping SE.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set a redwood post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S3 on NE.; R13W S10 on SE.; S9 on SW. and S4 on NW. faces, with 5 notches on S. and 3 on E. edges.
Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level desert.
Soil, clay and alkali, muddy.
Vegetation, scattered small salt brush.

N. 0° 02' W., bet. secs. 3 and 4.

Over rolling land through scattered salt brush and medium greasewood.

Asc. 65 ft. over SE. slope.

39.70 Road, unimproved, bears E. and W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd,

T5N R13W

$\frac{1}{4}$
S 4 | S 3
1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Asc. 15 ft. over SE. slope.

52.20 Wash, 40 lks. wide, 2 ft. deep, drains SE.; asc. 45 ft. over SE. slope.

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

56.50 Small spur, projects E. about 2.00 chs. dist.; asc. 10 ft. along E. slope.

62.50 Small spur, projects E. about 1.00 ch. dist.; desc. 20 ft. over N. slope.

80.00 Point for the 1/16 sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5N R13W

1/16

S4|S3

80

1961

80.80 Wash, 20 lks. wide, 5 ft. deep, drains E., thence over nearly level land.

82.50 Road, bladed dirt, bears N. 80° E. and S. 80° W.

85.45 Intersect the N. bdy. of the Tp.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T6N

S33

S4|S3

T5N|R13W

C C

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

From this cor., the ¼ sec. cor. of secs. 33, T. 6 N., R. 13 W., bears S. 89° 52' W. 18.10 chs. dist., monumented with a 2½ in. iron post, hereinbefore described.

Land, rolling.

Soil, gravelly clay.

Vegetation, medium greasewood and salt brush.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over level desert through scattered small salt brush.

40.00 Point for the ¼ sec. cor. of secs. 16 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on W.; ¼ S16 on N.; R13W on E. and S21 on S. faces.
Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

Continue over level desert.

43.00 Road, unimproved, bears N. and S.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S16 on NE.; R13W S21 on SE.; S20 on SW. and S17 on NW. faces. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level desert.

Soil, heavy clay and alkali.

Vegetation, scattered small salt brush.

N. 10° 03' W., bet. secs. 16 and 17.

Over level desert through scattered small salt brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S16 on E.; R13W on S. and $\frac{1}{4}$ S17 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S9 on NE.; R13W S16 on SE.; S17 on SW. and S8 on NW. faces, with 4 notches on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level desert.

Soil, heavy clay and alkali.

Vegetation, scattered small salt brush.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 59' W., bet. secs. 9 and 16.

Over level desert through scattered small salt brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on W.; $\frac{1}{4}$ S9 on N.; R13W on E. and S16 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist.

Continue over level desert.

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

80.00

The cor. of secs. 8, 9, 16 and 17.

Land, level desert.

Soil, heavy clay and alkali.

Vegetation, scattered small salt brush.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N on N.; S33 on E.; R13W on S. and $\frac{1}{4}$ S32 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
and raise a mound of earth, 3 ft. base, 2 ft. high, W.
of cor.

Continue over level desert.

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T5N S28 on NE.; R13W S33 on SE.; S32 on SW. and S29 on
NW. faces, with 1 notch on S. and 4 on E. edges. Dig
pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level desert.

Soil, heavy clay and alkali.

Vegetation, scattered small salt brush.

From the standard cor. of secs. 31 and 32 on the S. bdy. of the
Tp., monumented with a limestone, 6x8x18 ins., set, mkd. and wit-
nessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

S C

T5N R13W

S31|S32

1961.

N. 0° 04' W., bet. secs. 31 and 32.

Over nearly level desert through medium greasewood and shadscale.

20.40

Wash, 30 lks. wide, 8 ft. deep, drains E.

Survey of the Portion of the Subdivision of T. 5 N., R. 13 W.

Chains	
30.20	W. brush level vision point, 1/2 brush level, base Wash, 20 lks. wide, 2 ft. deep, drains. Is base rail (low)
40.00	Point for the 1/2 sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5N R13W * S31 S32 1961
	From this cor., a tin grainery bears N. 73° 43' W., 0.70 chs. dist.
	Asc. 115 ft. over SE. slope.
47.10	Point for spur, projects SE.; desc. 130 ft. over NE. slope.
60.00	Enter level desert, bears irregularly NW. and SE.
64.90	Road, bladed dirt, bears N. 15° W. and S. 15° E.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T5N R13W S30 S29 S31 S32 1961
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.
	Land, level to rolling desert.
	Soil, clay and gravel, third rate.
	Vegetation, medium growth of greasewood and shadscale brush.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 59' W., bet. secs. 29 and 32.
	Over level desert through scattered small salt brush.
40.00	Point for the 1/2 sec. cor. of secs. 29 and 32.
	Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:
	T5N on W.; 1/2 S29 on N.; R13W on E. and S32 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.
	Continue over level desert.
74.90	Leave level desert, enter nearly level brush land sloping gently to the E.
80.00	The cor. of secs. 29, 30, 31 and 32.

Survey of a Portion of the Subdivision of T. 5 N., R. 13 W.

Chains

Land, level desert E. portion; nearly level brush land W. portion.
Soil, clay and alkali, fourth rate.

Vegetation, scattered small salt brush E. portion; medium greasewood and salt brush W. portion.

General Description

Township 5 North, Range 13 West, is located in the Great Salt Lake Desert along the east side of the New Foundland Mountain Range. It is level, alkali, desert land with scattered to medium salt brush, shadscale and greasewood undergrowth, except along the west boundary which lies along the New Foundland Mountain Range and is covered with scattered scrub juniper timber and sagebrush. The soil is heavy alkaline clay in the desert, with gravel and broken limestone in mountains.

The township has a general drainage to east. The elevation ranges from 4,200 ft. in the east portion, to 6,500 ft. above sea level along the top of New Foundland Mountain. There are several unimproved or bladed roads in the area. There is no water in the township. U. S. G. S. triangulation station "Desert Peak" and U. S. L. M. No. 1, are located in section 6. The first meridional section line is the boundary of the Wendover Bombing and Gunnery Range.

FIELD ASSISTANTS

Keywords: child sexual abuse; disclosure; social support

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that,
 in pursuance of special instructions bearing date of the **28** day of **July**, 19 **60**,
 I have supervised the dependent resurvey of the east boundary of **Township 5**
North, Range 14 West, and south boundary of Township 6 North, Range 13
 West, and surveyed a portion of the subdivisional lines of Township 5
 North, Range 13 West,

of the **Salt Lake** Meridian, in the State of **Utah**, which
 are represented in the foregoing field notes as having been executed ~~by me and~~ under my ~~direction~~ ^{supervision},
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

August 23, 1963

(Date)

Woodrow H. Sylvester
 (Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the dependent resurvey of the east boundary of
 Township 5 North, Range 14 West, and the dependent resurvey of the south
 boundary of Township 6 North, Range 13 West, and the survey of a portion
 of the subdivisional lines of Township 5 North, Range 13 West, Salt Lake
 Meridian, Utah,

executed by **Boyd S. Owens**, Cadastral Surveyor, under the supervision of
Woodrow H. Sylvester, Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.

NOV 7 1963

(Date)

E. E. Remington
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 , is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUR. OF LAND MGMT

ORIGINAL

1963 DEC 30 11 13 00.0

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY,

(FIRST STANDARD PARALLEL NORTH).

OF

TOWNSHIP 5 NORTH, RANGE 14 WEST

AND

THE SURVEY OF THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 4 NORTH, RANGE 14 WEST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Leonard W. Murphy, Survey Technician

Under the supervision of Woodrow H. Sylvester, Cadastral Surveyor

Under special instructions dated July 28, 19 60, which provided

for the surveys included under Group No. 442, approved July 29, 1960

and assignment instructions dated July 29, 19 60

Survey commenced May 8, 19 61

Survey completed May 31, 19 61

INDEX DIAGRAM

Township 4 NORTH, Range 14 WEST

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GPO 866118

Lines surveyed by Boyd S. Owens

Lines surveyed by Leonard W. Murphy

Lines dependently resurveyed by Leonard W. Murphy

Township 4 North, Range 14 West

Chains

The First Standard Parallel North, through Range 14 West, along the South Boundary of Township 5 North, was surveyed by A. R. Talamantes and J. W. Dougall in 1903. The South and West Boundaries of Township 4 North, Range 14 West were surveyed by Andrew Nelson in 1925.

The following field notes are those of the dependent resurvey of the (First Standard Parallel North), or the South Boundary of Township 5 North, through Range 14 West, a survey of the East Boundary of Township 4 North, Range 14 West, and the survey of a portion of the subdivision of Township 4 North, Range 14 West, deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 591189 and 570628 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods.

The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $41^{\circ} 01' 46.664''$ N. and longitude $113^{\circ} 22' 14.985''$ W. as adjusted from traverses to U. S. G. S. triangulation station "South Newfoundland", located in section 31, Township 4 North, Range 13 West.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 17° east.

Dependent Resurvey of the South Boundary (First Standard Parallel North), of Township 5 North, Range 14 West

Reestablishment of the survey executed by A. R. Talamantes and J. W. Dougall in 1903.

Dependent Resurvey, S. Bdy. (First Standard Parallel North). T. 5 N., R. 14 W.

Chains

Beginning at the standard cor. of Tps. 5 N., Rs. 13 and 14 W., which is monumented with a limestone, 8x12x20 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

SC	
T5N	
R14W	R13W
<u>S36</u>	<u>S31</u>
1961	

Deposit original stone cor. alongside iron post, and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

N. 89° 59' W., along the S. bdy. of sec. 36.

Over mountainous land through sparse vegetation.

Asc. 330 ft. through small canyon drains E.

24.10 Main ridge of Newfoundland Mountain, bears N. and S.; desc. 165 ft. over W. slope.

30.90 Small draw, drains NW.; asc. 20 ft. over NE. slope.

32.90 Spur, projects NW.; desc. 165 ft. over abrupt SW. slope.

39.92 The original standard ¼ sec. cor. of sec. 36, monumented with a quartzite stone, 6x8x14 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

S C	
T5N	R14W
<u>¼ S36</u>	
1961	

Bury original stone cor. alongside iron post, and raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

N. 89° 59' W., beginning new measurement.

Desc. 90 ft. over abrupt SW. slope.

5.00 Base of abrupt descent, bears NW. and SE.; desc. 10 ft. over gentle SW. slope.

14.00 Wash, 15 lks. wide, 1 ft. deep, drains NW.; asc. 75 ft. over NE. slope.

21.20 Top of ascent, thence along N. slope.

29.00 Spur, projects NW.; desc. abruptly 330 ft. over SW. slope.

Baseline Between S. 34 & 35 (First Standard Parallel North), T. 5 N., R. 14 W.

Chains

48.04 The original standard cor. of secs. 35 and 36, monumented with a porphyry stone, 10x12x15 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

S C
T5N R14W
S35 S36
1961

Bury original stone cor. alongside iron post, and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.

Land, mountainous.

Soil, rocky.

Vegetation, sparse bud sage and shadscale.

N. 89° 52' W., along the S. bdy. of sec. 35.

Over nearly level land through sparse vegetation.

Desc. 40 ft. over W. slope.

3.50 Enter nearly level desert.

16.70 Road, unimproved, bears N. and S.

39.98 The original standard ¼ sec. cor. of sec. 35, monumented with a quartzite stone, 4x6x11 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with original stone cor. buried alongside, and brass cap mkd.

S C
T5N R14W
¼ S35
1961

Big pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth and stone, 2½ ft. base, 1½ ft. high, N. of cor.

S. 89° 58' W., beginning new measurement.

Over level desert.

34.02 The original standard cor. of secs. 34 and 35, monumented with a porphyry stone, 6x8x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with original stone cor. buried alongside, and brass cap mkd.

S C
T5N R14W
S34 S35
1961

Dependent Resurvey, S. Bdy. (First Standard Parallel North), T. 5 N., R. 1

Chains

Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.; deposit glass at base of post.

Land, nearly level desert.

Soil, sandy clay.

Vegetation, sparse greasewood and salt grass.

N. 89° 55' W., along the S. bdy. of sec. 34.

Over nearly level desert through sparse vegetation.

5.40 Low sand ridge, bears N. and S.

22.00 Leave low sand dunes and vegetation, enter level alkali desert.

39.98 The original standard ¼ sec. cor. of sec. 34, monumented with a porphyry stone, 4x8x10 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC ¼ S34 on N.; T5N on E. and R14W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist. and deposit glass at base of post. Bury original stone cor. alongside fir post.

N. 89° 59' W., beginning new measurement.

Continue over level desert.

40.00 The original standard cor. of secs. 33 and 34, monumented with a quartzite stone, 5x10x15 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N-R14W on N.; S34 on E. and S33 on W. faces. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor. Bury original stone cor. alongside fir post, and deposit glass at base of post.

Land, level alkali desert.

Soil, alkali clay, fourth rate.

Vegetation, sparse greasewood and salt grass E. portion; none W. portion.

N. 89° 59' W., along the S. bdy. of sec. 33.

Over level, barren, alkali desert.

...M C B... (Section 31 and 32... Standard Parallel North) ... T. 5 N. R. 14 W.

Chains

40.00

The original standard $\frac{1}{4}$ sec. cor. of sec. 33 as determined from the remains of original mound of earth and pits.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

SC $\frac{1}{4}$ S33 on N.; T5N on E. and R14W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Deposit glass at base of post.

N. 89° 58' W., beginning new measurement.

Continue over level, barren desert.

40.00

The original standard cor. of secs. 32 and 33 as determined from the remains of the original pits and charcoal.

At cor. point

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

SC T5N R14W on N.; S33 on E. and S32 on W. faces. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor. Deposit original charcoal and glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

S. 89° 59' W., along the S. bdy. of sec. 32.

Over level, barren alkali desert.

40.00

The original standard $\frac{1}{4}$ sec. cor. of sec. 32, determined from the remains of the original mound of earth and pits.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

SC $\frac{1}{4}$ S32 on N.; T5N on E. and R14W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Deposit glass at base of post.

N. 89° 58' W., beginning new measurement.

Continue over level desert.

40.02

The original standard cor. of sec. 31 and 32, monumented with a fir post, 4x4 ins., 4 ins. above ground, plainly scribed as follows:

Dependent Resurvey, S. Bdy. (First Standard Parallel North), T. 5 N., R.

Chains

SC on N.; S31 on W. and S 32 on E. faces. Pits to the N., E. and W.

Land, level, barren desert.
Soil, sandy clay, with alkali crust.
Vegetation, none.

West, along the S. bdy. of sec. 31.

Over level, barren alkali desert.

21.32 The closing cor. of Tps. 4 N., Rs. 14 and 14½ W., monumented with a fir post, set, mkd. and witnessed as described in the official record.

40.00 The original standard ¼ sec. cor. of sec. 31, determined from the remains of the original pits and mound of earth.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC ¼ S31 on N.; T5N on E. and R14W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor. Deposit glass at base of post.

S. 89° 59' W., beginning new measurement.

Continue over level desert.

40.00 The original standard cor. of Tps. 5 N., Rs. 14 and 15 W., determined from the remains of the original pits and mound of earth.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N on N.; R14W S31 on E. and R15W S36 on W. faces. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 4 ft. base, 2½ ft. high, N. of cor. Deposit glass at base of post.

Land, level, barren desert.
Soil, clay, with crust of alkali.
Vegetation, none.

Survey of the East Boundary of Township 4 North, Range 14 West

From the cor. of Tps. 3 and 4 N., Rs. 13 and 14 W., monumented with a 3 in. iron post, set, mkd. and witnessed as described in the official record.

From this cor., U. S. G. S. triangulation station "South Newfoundland", bears N. 2° 56' E., 8.98 chs. dist.

North, bet. secs. 31 and 36.

Survey of the E. Bdy. of T. 4 N., R. 14 W.

Chains

Over broken, mountainous land, of the Newfoundland Mountain Range, through moderate shadscale and bunch grass.

Asc. 225 ft. over broken, steep, S. slope.

6.70 Main ridge of Newfoundland Mountain Range, bears irregularly N. 10° W. and curves irregularly SW. and S. Thence by traverse, with cor. points established by intersection and topography approximated.

9.70 Desc. about 100 ft. along ridge top.

14.00 Desc. about 300 ft. along steep, broken E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N
R14W R13W

$\frac{1}{4}$
S36 S31
1961

Cor. is located on narrow, rocky spur, sloping sharply E.

Continue traverse, desc. about 220 ft. along broken E. slope.

80.00 Point for the cor. of secs. 25, 30, 31 and 36 falls on ledge facing E. and cannot be perpetuated.

Land, mountainous, broken.

Soil, broken limestone and clay.

Vegetation, moderate shadscale and bunch grass.

North, bet. secs. 25 and 30.

Over broken, mountainous land through moderate vegetation.

Continue traverse, with cor. points established by intersection. Topography approximated.

Desc. abruptly over ledge facing E.

0.49 Point selected for the witness cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N
R14W R13W

S25 S30
S36 S31
W C

1961

Cor. is located on broken E. slope at base of ledge, about 100 ft. high, facing NE.

Asc. about 200 ft. along broken E. slope.

20.00 Spur, projects E., desc. about 200 ft. over broken ledges facing E.

Survey of the E. Bdy. of T. 4 N., R. 14 W.

Chains

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30 falls on ledge facing E. and cannot be perpetuated.

40.30 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N
R14W R13W
 $\frac{1}{4}$
S25 | S30
W C
1961

Witness cor. is located at the point of a spur, sloping sharply E.

Continue by traverse.

43.40 Spur, projects E., desc. about 300 ft. over steep, broken E. changing to N. slope.

65.00 Wash, 50 lks. wide, 3 ft. deep, in canyon, drains E., asc. about 250 ft. over steep, broken SE. changing to E. slope.

80.00 Point for the cor. of secs. 19, 24, 25, and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid limestone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N
R14W R13W
S24 | S19
S25 | S30
1961

Cor. is located on steep, ledgy E. slope.

Land, mountainous, broken.

Soil, broken limestone, clay.

Vegetation, moderate shadscale and bunch grass.

North, bet. secs. 19 and 24.

Over broken, mountainous land through moderate shadscale and grass.

Continue on traverse, with cor. points established by intersection. Topography approximated.

Asc. about 100 ft. along steep E. slope.

5.00 Spur, projects E., desc. about 200 ft. over NE. slope.

15.00 Draw, drains E., asc. about 50 ft. over SE. slope.

32.00 Spur, projects E. about 10.00 chs. dist., desc. about 200 ft. over steep N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

Survey of the E. Bdy. of T. 4 N., R. 14 W.

Chains

T4N
R14W R13W

S24|S19

1961

Cor. is located on steep N. slope, 20 lks. S. of limestone rock, 20 ft. high.

Desc. about 50 ft. over steep N. slope.

43.00 Wash, 30 lks. wide, 2 ft. deep, in canyon, drains E., asc. about 250 ft. over steep, broken SE. slope.

60.00 Spur, projects S. 60° E. about 15.00 chs. dist., desc. about 50 ft. over NE. slope.

65.00 Draw, drains SE., asc. about 50 ft. over SE. slope.

70.00 Spur, projects E. about 5.00 chs. dist., desc. about 100 ft. over NE. slope.

75.00 Deep draw, drains SE., asc. about 100 ft. over steep SE. changing to E. slope.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N
R14W R13W

S13|S18

S24|S19

1961

Cor. is located on steep E. slope, 30 lks. W. of wash, 10 lks. wide, 2 ft. deep.

Land, mountainous, broken.

Soil, broken limestone, clay.

Vegetation, moderate shadscale and bunch grass.

North, bet. secs. 13 and 18.

Over broken, mountainous land through scattered shadscale and grass.

By traverse, with cor. points established by intersection and topography approximated.

2.00 Small gully, drains SE., asc. about 150 ft. over steep S. slope.

20.00 Spur, projects E. about 10.00 chs. dist.; desc. about 200 ft. over broken N. slope.

40.00 Point for the ¼ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N
R14W R13W

S13|S18

1961

230

Survey of the E. Bdy. of T. 4 N., R. 14 W.

Chains

Cor. is located on steep N. slope about 250 ft. above canyon bottom.

Desc. about 250 ft. over steep N. slope.

48.00 Wash, 50 lks. wide, 4 ft. deep, in canyon, drains E., asc. about 250 ft. over steep S. slope.

65.00 Spur, projects S. 70° E., desc. about 200 ft. over steep, broken NE. slope.

75.00 Wash, 20 lks. wide, 5 ft. deep, drains S. 80° E., asc. about 100 ft. over steep SE. slope.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N

R14W R13W

S12 | S 7

S13 | S18

1961

Cor. is located on steep SE. slope, about 100 ft. above wash.

Land, mountainous, broken.

Soil, clay and broken limestone.

Vegetation, scattered shadscale and bunch grass.

North, bet. secs. 7 and 12.

Over steep, mountainous land through scattered vegetation.

Asc. 215 ft. over steep SE. slope.

6.40 Finger of spur, projects SE. about 1.00 ch. dist.; asc. 195 ft. over SE. slope.

16.70 Spur, projects N. 80° E., desc. 575 ft. over steep, broken N. slope.

40.00 Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N

R14W R13W

¼

S12 | S 7

1961

Cor. is located on steep N. slope about 8.00 chs. above wash.

Desc. 270 ft. over steep, broken N. slope.

49.90 Wash, drains E., desc. 105 ft. over rolling brush land draining E.

66.63 Intersect the north bdy. of the Tp., (First Standard Parallel North).

Point for the closing cor. of Tp. 4 N., Rs. 13 and 14 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

Survey of the E. Bdy. of T. 4 N., R. 14 W.

Chains

T5N
S31
S12 | S 7
R14W | R13W
T4N
C C
1961

From this cor., the standard cor. of secs. 31 and 32, T. 5 N., R. 13 W., bears east, 17.97 chs. dist. and is monumented with a limestone, 4x6x14 ins., set, mkd. and witnessed as described in the official record.

Land, mountainous.

Soil, broken limestone, gravel.

Vegetation, scattered shadscale and bunch grass.

Survey of a Portion of the Subdivision of
Township 4 North, Range 14 West

From the true point for the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., from which its witness cor. bears N. $89^{\circ}59'$ E., 0.50 chs. dist., monumented with a 2 in. iron post, set, mkd. and witnessed as described in the official record.

From above true point, an azimuth mark for "South Newfoundland" triangulation station, bears N. $80^{\circ}01'$ E., 27.34 chs. dist.

N. $0^{\circ}01'$ W., bet. secs. 35 and 36.

Over rolling land sloping W., through scattered vegetation.

Asc. 70 ft. over SW. slope.

4.80 Spur, projects W., desc. 95 ft. over NW. slope.

11.00 Wash, 25 lks. wide, 4 ft. deep, drains W., asc. 70 ft. over SW. slope.

35.40 Spur, projects W., desc. 35 ft. over NW. slope.

49.60 Wash, 15 lks. wide, 4 ft. deep, drains W.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T4N R14W

$\frac{1}{2}$
S35 | S36
1961

Raise a mound of stone, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Asc. 220 ft. over SW. slope.

48.70 Wash, 25 lks. wide, 15 ft. deep, drains S. 80° W., continue ascent over SW. slope.

62.30 Spur, projects NW.; desc. 140 ft. over N. slope.

77.50 Wash, 30 lks. wide, 1 ft. deep, drains S. 80° W.; asc. 20 ft. over S. slope.

202

Survey of a Portion of the Subdivision of T. 4 N., R. 14 W.

Chains

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of earth and stone, 2 ft. base to top, with brass cap mkd.

T4N R14W

S26 | S25

S35 | S36

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling, sloping west.

Soil, rocky gravel.

Vegetation, scattered shadscale and bunch grass.

From true point for the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., from which its witness cor. bears north, 0.49 chs. dist.

S. $89^{\circ} 59'$ W., bet. secs. 25 and 36.

Over broken, mountainous land through scattered vegetation.

Asc. abruptly 600 ft. over steep, broken, ledgy E. slope.

18.50 Main ridge of Newfoundland Mountain, bears irregularly N. and S., desc. abruptly 625 ft. over steep, broken W. slope.

36.90 Bottom of abrupt descent, bears N. and S.; desc. 75 ft. over W. slope.

40.05 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of earth and stone, 4 ft. base to top, with brass cap mkd.

T4N R14W

 $\frac{1}{4}$ S25

S36

1961

Desc. 480 ft. over W. slope.

70.30 Wash, 25 lks. wide, 1 ft. deep, drains S. 80° W.; desc. 25 ft. along S. slope.

80.10 The cor. of secs. 25, 26, 35 and 36.

Land, mountainous, broken.

Soil, broken limestone, gravel.

Vegetation, scattered shadscale and bunch grass.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 02'$ W., bet. secs. 33 and 34.

Survey of a Portion of the Subdivision of T. 4 N., R. 14 W.

Chains

Over barren, level, alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

T4N on N.; S34 on E.; R14W on S. and $\frac{1}{4}$ S33 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.
of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

T4N S27 on NE.; R14W S34 on SE.; S33 on SW, and S28 on NW.
faces. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 27 and 28.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28,

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

T4N on N.; S27 on E.; R14W on S. and $\frac{1}{4}$ S28 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set a fir post, 4x4 ins., 4 ft. long, 41 ins. in the ground, scribed as follows:

T4N S22 on NE.; R14W S27 on SE.; S28 on SW. and S21 on
NW. faces. Dig pits, 18x18x12 ins., in each sec., 4 ft.
dist., and deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22,

Survey of a Portion of the Subdivision of T. 4 N., R. 14 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

T4N on N.; S22 on E.; R14W on S. and $\frac{1}{4}$ S21 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor. Deposit glass at base of post.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set a fir post, 4x4 ins., 4 ft. long, 42 ins. in the ground, scribed as follows:

T4N S15 on NE.; R14W S22 on SE.; S21 on SW. and S16 on NW.
faces. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.,
and deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over level, barren desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S15 on E.; R14W on S. and $\frac{1}{4}$ S16 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor. Deposit glass at base of post.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

T4N S10 on NE.; R14W S15 on SE.; S16 on SW. and S9 on NW.
faces. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.
Deposit glass at base of post.

Land, level, barren desert.
Soil, wet, sandy clay, saturated with mineral.
Vegetation, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set a fir post, 4x4 ins., 4 ft. long, 41 ins. in the ground, scribed as follows:

Survey of a Portion of the Subdivision of T. 4 N., R. 14 W.

Chains

T4N on N.; S10 on E.; R14W on S. and $\frac{1}{4}$ S9 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.
of cor. Deposit glass at base of post.

Continue over level barren desert.

66.79 Intersect the N. bdy. of the Tp. (First Standard Parallel North).

Point for the closing cor. of secs. 9 and 10.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed
as follows:

S10 on E.; CC T4N R14W on S. and S9 on W. faces. Dig
pits, 18x18x12 ins., E. W. and S. of cor., 4 ft. dist.;
deposit glass at base of post.

From this cor., the standard $\frac{1}{4}$ sec. cor. of sec. 34, T. 5 N., R. 14 W.
bears N. 89° 55' W., 16.15 chs. dist. and is monumented with a fir
post, 4x4 ins., hereinbefore described.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed
as follows:

$\frac{1}{4}$ S16 on N.; T4N on E.; S21 on S. and R14W on W. faces.
Dig pits, 18x18x12 ins., E. and W. of cor., 3 $\frac{1}{2}$ ft. dist.,
and raise a mound of earth, 4 ft. base, 2 ft. high, N.
of cor. Deposit glass at base of post.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed
as follows:

T4N S16 on NE.; R14W S21 on SE.; S20 on SW. and S17 on
NW. faces. Dig pits, 18x18x12 ins., in each sec., 4 ft.
dist. Deposit glass at base of post.

Land, level, barren desert.
Soil, sandy clay.
Vegetation, none.

N. 0° 03' W., bet. secs. 16 and 17.

Over level, barren desert.

Survey of a Portion of the Subdivision of T. 4 N., R. 14 W.

Chains

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

T4N on N.; S16 on E.; R14W on S. and $\frac{1}{4}$ S17 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., $3\frac{1}{2}$ ft. dist.
and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Deposit glass at base of post.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S9 on NE.; R14W S16 on SE.; S17 on SW. and S8 on NW.
faces. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.
Deposit glass at base of post.

Land, level, barren desert.
Soil, sandy clay, saturated with mineral.
Vegetation, none.

From the cor. of secs. 9, 10, 15 and 16.

S. $89^{\circ} 59'$ W., bet. secs. 9 and 16.

Over level, barren desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

$\frac{1}{4}$ S9 on N.; T4N on E.; S16 on S. and R14 W on W. faces.
Dig pits, 18x18x12 ins., E. and W. of cor., $3\frac{1}{2}$ ft. dist.
and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.
Deposit glass at base of post.

Continue over level, barren desert.

80.00 The cor. of secs. 8, 9, 16 and 17.

Land, level, barren desert.
Soil, sandy clay, saturated with mineral.
Vegetation, none.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp.,
monumented with a fir post, 4x4 ins., set, mkd. and witnessed as
described in the official record.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over level, barren desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Survey of a Portion of the Subdivision of T. 4 N., R. 14 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 40 ins. in the ground, scribed as follows:

T4N on N.; S33 on E.; R14W on S. and $\frac{1}{4}$ S32 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. Deposit glass at base of post.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

T4N S28 on NE.; R14W S33 on SE.; S32 on SW. and S29 on NW. faces. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, sticky clay, with alkali crust.

Vegetation, none.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the official record.

N. 0° 04' W., bet. secs. 31 and 32.

Over level, barren desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S32 on E.; R14W on S. and $\frac{1}{4}$ S31 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor. Deposit glass at base of post.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

T4N S29 on NE.; R14W S32 on SE.; S31 on SW. and S30 on NW. faces. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, sticky, wet clay, saturated with mineral.

Vegetation, none.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 59' W., bet. secs. 29 and 32.

Over level, barren desert.

Survey of a Portion of the Subdivision of T4N, R. 14W.

Chains

39.99

Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 38 ins. in the ground, scribed as follows:

S29 on N.; T4N on E.; $\frac{1}{4}$ S32 on S. and R14W on W. faces.
Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist.,
and raise a mound of earth, 4 ft. base, 2 ft. high, N.
of cor. Deposit glass at base of post.

Continue over level, barren desert.

79.98

The cor. of secs. 29, 30, 31 and 32.

Land, level, barren desert.

Soil, sticky, alkali clay.

Vegetation, none.

General Description

The land in the western portion of Township 4 North, Range 14 West, is level, barren desert in the Great Salt Lake Desert. The eastern portion is mountainous, broken land along the Newfoundland Mountain Range.

Vegetation along the mountain range is scattered shadscale and bunch grass. There is no vegetation in the western portion.

No roads or water is noted in the township. The elevation of the western portion is 4,200 ft. above sea level. The elevation along the Newfoundland Mountain is 6,000 ft. above sea level. The general drainage is to the west, except the extreme east boundary, that is located along the east slope of the Newfoundland Mountain, and that area drains east.

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the **28** day of **July**, 19 **60**, I have supervised the dependent resurvey of the south boundary (First Standard Parallel North) of Township 5 North, Range 14 West, and the survey of the east boundary and a portion of the subdivision of Township 4 North, Range 14 West.

of the **Salt Lake** Meridian, in the State of **Utah**, which are represented in the foregoing field notes as having been executed ~~by me and~~ ^{under my supervision} and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

August 23, 1963

(Date)

Woodrow H. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the dependent resurvey of the south boundary (First Standard Parallel North) of Township 5 North, Range 14 West, and the survey of the east boundary and a portion of the subdivision of Township 4 North, Range 14 West, Salt Lake Meridian, Utah

executed by **Boyd S. Owens**, Cadastral Surveyor - **Leonard W. Murphy**, Survey Technician, under the supervision of **Woodrow H. Sylvester**, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

NOV 7 1963

(Date)

E. E. Lemington
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

ORIGINAL

1963 DEC 30 AM 10 00 .0

FIELD NOTES

RECORDS
SECTION
JANUARY 1964

OF THE

SURVEY

OF THE SOUTH BOUNDARY

THE WEST BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 4 NORTH, RANGE 14½ WEST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

BOYD S. OWENS, CADASTRAL SURVEYOR

UNDER THE SUPERVISION OF WOODROW H. SYLVESTER, CADASTRAL SURVEYOR

Under special instructions dated JULY 28, 1960, which provided

for the surveys included under Group No. 442, approved JULY 29, 1960

and assignment instructions dated JULY 29, 1960

Survey commenced JULY 27, 1961

Survey completed JULY 28, 1961

INDEX DIAGRAM

Township 4 North, *Range* 14½ West

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					36 2
					1

Township 4 North, Range 14½ West

Chains

The north boundary was surveyed by A. R. Talmantes and J. W. Dougall in 1903. The east boundary was surveyed by Andrew Nelson in 1925. The north boundary was dependently resurveyed concurrently by Leonard W. Murphy in 1961.

The following field notes are those of the survey of the south boundary, the west boundary, and a portion of the subdivision of T. 4 N., R. 14½ W., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transit No. 591189 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The directions of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 41° 01' 46.66" N. and longitude 113° 29' 06.41" W. as adjusted from traverses to U.S.C. & G.S. triangulation station "South Newfoundland" located in section 31, T. 4 N., R. 13 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 17° E.

Survey of the South Boundary of T. 4 N., R. 14½ W.

Beginning at the cor. of Tps. 3 and 4 N., Rs. 14 and 14½ W., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the official record.

West, bet. secs. 1 and 36.

Over level, barren alkali desert.

40.00

Point for the ½ sec. cor. of secs. 1 and 36.

Survey, S. Bdy., T. 4 N., R. 14½ W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N ½ S36 on N.; R14½W on E. and T3N S1 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

48.07 Point for the cor. of Tps. 3 and 4 N., R. 14½ W., at a point S. of the cor. of Tps. 3 and 4 N., R. 15 W., in accordance with the special instructions.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R14½W S36 on NE. and T3N R14½W S1 on SE. faces. Dig pits, 18x18x12 ins., N., S. and E. of cor., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

Survey of the West Boundary of T. 4 N., R. 14½ W., with Establishment Thereon of Corners Pertaining to T. 4 N., R. 15 W., at Regular Intervals Latitudinal from the Corner of Tps. 3 and 4 N., R. 15 W.

From the cor. of Tps. 3 and 4 N., R. 14½ W.

North, along the W. bdy. of sec. 36, T. 4 N., R. 14½ W.

Over level, barren alkali desert.

40.00 Point for the W. ¼ sec. cor. of sec. 36, T. 4 N., R. 14½ W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R14½W ½ S36 on E. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor.

Continue over level, barren desert.

45.47 The cor. of Tps. 3 and 4 N., R. 15 W., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1961 field notes of the survey of the S. bdy. of T. 4 N., R. 15 W.

80.00 Point for the cor. of secs. 25 and 36, T. 4 N., R. 14½ W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S25 on NE. and R14½W S36 on SE. faces, with 1 notch on S. edge. Dig pits, 18x18x12 ins., NE. and SE. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

North, along the W. bdy. of sec. 25, T. 4 N., R. 14½ W.

Over level, barren desert.

5.47 Point for the E. ¼ sec. cor. of sec. 36, T. 4 N., R. 15 W.

Survey, W. Bdy., T. 4 N., R. 14½ W.

Chains	<p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N R15W ½ S36 on W. face. Dig pits, 18x18x12 ins., N. and S. of cor. 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high W. of cor.</p>
40.00	<p>Point for the W. ½ sec. cor. of sec. 25, T. 4 N., R. 14½ W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N R14½W ½ S25 on E. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor.</p> <p>Cont. over level barren desert.</p>
45.47	<p>Point for the cor. of secs. 25 and 36, T. 4 N., R. 15 W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S25 on NW. and R15W S36 on SW. faces, with 1 notch on S. edge. Dig pits, 18x18x12 ins., NW. and SW. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor. Deposit glass at base of post.</p>
80.00	<p>Point for the cor. of secs. 24 and 25, T. 4 N., R. 14½ W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S24 on NE. and R14½W S25 on SE. faces, with 2 notches on S. edge. Dig pits, 18x18x12 ins., NE. and SE. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor. Deposit glass at base of post.</p> <p>Land, level, barren desert. Soil, alkali clay, fourth rate. Vegetation, none.</p>
	<p>North, along the W. bdy. of sec. 24, T. 4 N., R. 14½ W.</p> <p>Over level, barren desert.</p>
5.47	<p>Point for the E. ½ sec. cor. of sec. 25, T. 4 N., R. 15 W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N R15W ½ S25 on W. face. Dig pits, 18x18x12 ins., N. and S. of cor.; 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high W. of cor.</p>
40.00	<p>Point for the W. ½ sec. cor. of sec. 24, T. 4 N., R. 14½ W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N R14½W ½ S24 on E. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high E. of cor.</p> <p>Cont. over level, barren desert.</p>

Survey, W. Bdy., T. 4 N., R. 14½ W.

Chains	
45.47	<p>Point for the cor. of secs. 24 and 25, T. 4 N., R. 15 W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S24 on NW. and R15W S25 on SW. faces, with 2 notches on S. edge. Dig pits, 18x18x12 ins., NW. and SW. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor. Deposit glass at base of post.</p>
80.00	<p>Point for the cor. of secs. 13 and 24, T. 4 N., R. 14½ W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S13 on NE. and R14½W S24 on SE. faces, with 3 notches on S. edge. Dig pits, 18x18x12 ins., NE. and SE. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor. Deposit glass at base of post.</p> <p>Land, level, barren desert. Soil, alkali clay, fourth rate. Vegetation, none.</p>
	<p>North, along the W. bdy. of sec. 13, T. 4 N., R. 14½ W.</p> <p>Over level, barren desert.</p>
5.47	<p>Point for the E. ¼ sec. cor. of sec. 24, T. 4 N., R. 15 W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N R15W ¼ S24 on W. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.</p>
40.00	<p>Point for the W. ¼ sec. cor. of sec. 13, T. 4 N., R. 14½ W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N R14½W ¼ S13 on E. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor.</p> <p>Cont. over level, barren desert.</p>
45.47	<p>Point for the cor. of secs. 13 and 24, T. 4 N., R. 15 W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S13 on NW. and R15W S24 on SW. faces, with 3 notches on S. edge. Dig pits, 18x18x12 ins., NW. and SW. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor. Deposit glass at base of post.</p>
80.00	<p>Point for the cor. of secs. 12 and 13, T. 4 N., R. 14½ W.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S12 on NE. and R14½W S13 on SE. faces, with 4 notches on S. edge. Dig pits, 18x18x12 ins., NE. and SE. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor. Deposit glass at base of post.</p>

Survey, W. Bdy., T. 4 N., R. 14½ W.

Chains

Land, level, barren desert.
 Soil, alkali clay, fourth rate.
 Vegetation, none.

North, along the W. bdy. of sec. 12, T. 4 N., R. 14½ W.

Over level, barren desert.

5.47 Point for the E. ¼ sec. cor. of sec. 13, T. 4 N., R. 15 W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R15W ¼ S13 on W. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

40.00 Point for the W. ¼ sec. cor. of sec. 12, T. 4 N., R. 14½ W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R14½W ¼ S12 on E. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor.

Cont. over level, barren desert.

45.47 Point for the cor. of secs. 12 and 13, T. 4 N., R. 15 W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S12 on NW. and R15W S13 on SW. faces, with 4 notches on S. edge. Dig pits, 18x18x12 ins., NW. and SW. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor. Deposit glass at base of post.

66.99 Intersect the N. bdy. of the Tp. (First Standard Parallel North).

Point for the closing cor. of Tps. 4 N., Rs. 14½ and 15 W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

R14½W S12 on E.; CC T4N on S. and R15W S12 on W. faces. Dig pits, 18x18x12 ins., E., S. and W. of cor., 4 ft. dist. Deposit glass at base of post.

From this cor., the standard cor. of Tps. 5 N., Rs. 14 and 15 W., bears S. 89° 59' W., 10.61 chs. dist., and is monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1961 field notes of the dependent resurvey of the S. bdy. of T. 5 N., R. 14 W.

Land, level, barren desert.
 Soil, alkali clay, fourth rate.
 Vegetation, none.

Survey of a Portion of the Subdivision of T. 4 N., R. 14½ W.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the official record.

Survey, Portion of Subdivision, T. 4 N., R. 14½ W.

Chains

N. 89° 58' W., bet. secs. 25 and 36.

Over level, barren desert.

40.00

Point for the ¼ sec. cor. of secs. 25 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

¼ S25 on N.; T4N on E.; S36 on S. and R14½W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Cont. over level, barren desert...

48.07

The cor. of secs. 25 and 36, on the W. bdy. of the Tp.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

General Description

T. 4 N., R. 14½ W., is level, barren land in the Great Salt Lake Desert. The general elevation is 4,200 ft. above sea level. There are no roads or water in the township. The township is void of any vegetation. The soil is alkali clay, fourth rate.

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that,
 in pursuance of special instructions bearing date of the **28** day of **July**, 19 **60**,
 I have supervised the survey of the south boundary, the west boundary and
 a portion of the subdivision of T. 4 N., R. 14½ W.,

of the **Salt Lake** Meridian, in the State of **Utah**, which
 are represented in the foregoing field notes as having been executed ~~by me~~ ^{under my supervision}
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

August 23, 1963

(Date)

Woodrow H. Sylvester
 (Cadastral Surveyor)

 (Date)

 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the survey of the south boundary, the west boundary
 and a portion of the subdivision of T. 4 N., R. 14½ W., Salt Lake Meridian,
 Utah,

executed by **Boyd S. Owens**, Cadastral Surveyor, under the supervision of
Woodrow H. Sylvester, Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.

NOV 7 1963

(Date)

E. E. Remington
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 _____, is a true copy of the original field notes.

 (Date)

 (Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

ORIGINAL

1967 DEC 30

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FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY,

(FIRST STANDARD PARALLEL NORTH),

OF

TOWNSHIP 5 NORTH, RANGE 15 WEST

AND

THE SURVEY OF THE SOUTH BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 4 NORTH, RANGE 15 WEST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

under the supervision of Woodrow H. Sylvester, Cadastral Surveyor

under special instructions dated July 28, 1960, which provided

for the surveys included under Group No. 442, approved July 29, 1960

and assignment instructions dated July 29, 1960

Survey commenced July 25, 1961

Survey completed August 2, 1961

INDEX DIAGRAM

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GPO 866119

Lines surveyed by Boyd S. Owens _____

Lines dependently resurveyed by Boyd S. Owens _____

Township 4 North, Range 15 West

Chains

The north boundary was surveyed by A. R. Talamantea and J. W. Dougall in 1903. The east boundary and the west boundary were surveyed concurrently by Boyd S. Owens.

The following field notes are those of the dependent resurvey of the south boundary (First Standard Parallel North), of Township 5 North, Range 15 West, and the survey of the south boundary and a portion of the subdivision of Township 4 North, Range 15 West, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

Before restoring the corners, the lines of the original survey were retraced, and diligent search made for any evidence of the original corners or other calls of the original field note record.

The rules of proportionate measurement were applied to ascertain the position of the lost corners, after exhausting every reasonable possibility of finding direct evidence of the lost corners.

The survey was executed with W. & L. E. Gurley Solar Transit No. 591189 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $41^{\circ} 02' 16.1''$ N. and longitude $113^{\circ} 29' 47.8''$ W. as adjusted from traverses to U.S.C. & G.S. triangulation station, "South Newfoundland", located in sec. 31, T. 4 N., R. 13 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 17° east.

Dependent Resurvey of the South Boundary, (First Standard Parallel North) of Township 5 North, Range 15 West

Reestablishment of the survey executed by A. R. Talamantea and J. W. Dougall in 1903.

Dependent Resurvey of the South Boundary, (First Standard Parallel North)
of Township 5 North, Range 15 West

CLASDS

Beginning at the standard cor. of Tp. 5 N., Rs. 14 and 15 W., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1961 field notes of the dependent resurvey of the S. bdy. of T. 5 N., R. 14 W.

N. 89° 53' W., along the S. bdy. of sec. 36.

Over level, barren alkali desert.

40.03

The original standard $\frac{1}{4}$ sec. cor. of secs. 36, monumented with a limestone, 6x8x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R15W $\frac{1}{4}$ S36 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Bury original stone cor. alongside fir post.

N. 89° 58' W. beginning new measurement.

Continue over level, barren desert.

40.02

Point for the original standard cor. of secs. 35 and 36 at proportionate dist.; there is no remaining evidence of the original cor.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R15W on N.; S36 on E. and S35 on W. faces, with 1 notch on E. and 5 on W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 89° 58' W., along the S. bdy. of sec. 35.

Over level, barren desert.

40.02

The original standard $\frac{1}{4}$ sec. cor. of sec. 35, monumented with a limestone, 4x6x8 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R15W $\frac{1}{4}$ S35 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Bury original stone cor. alongside fir post.

N. 89° 58' W., beginning new measurement.

(Dependent Resurvey of the S. Bdy., (1st Stan. Par. N.), of
T. 5 N., R. 15 W.

Chains

Continue over level, barren desert.

40.00

The original standard cor. of secs. 34 and 35, monumented with a pine post, 6x6 ins., 30 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

Monument cannot be improved upon. Rescribe as follows:

SC T5N R15W on N.; S35 on E. and S34 on W. faces, with 2 notches on E. and 4 on W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 89° 57' W., along the S. bdy. of sec. 34.

Over level, barren desert.

40.08

The original standard $\frac{1}{4}$ sec. cor. of sec. 34, determined from the remains of the original pits.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R15W $\frac{1}{4}$ S34 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

West, beginning new measurement.

Continue over level, barren desert.

39.96

The original standard cor. of secs. 33 and 34, monumented with a pine post, 6x6 ins., set, dimly mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R15W on N.; S34 on E. and S33 on W. faces, with 3 notches on E. and W. edges. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Bury original wooden cor. alongside fir post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 89° 58' W., along the S. bdy. of sec. 33.

Over level, barren alkali desert.

(Dependent Resurvey of the S. Bdy., (1st Sta., Par. N.), of
T. 5 N., R. 15 W.

Chains

40.02

Point for the original standard $\frac{1}{4}$ sec. cor. of sec. 33 at proportionate dist.; there is no remaining evidence of the original cor.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R15W $\frac{1}{4}$ S33 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level, barren desert.

80.04

The original standard cor. of secs. 32 and 33, monumented with a pine post, 6x6 ins., 30 ins. above ground, mkd. and witnessed as described in the official record.

Monument could not be improved upon, and was rescribed as follows:

SC T5N R15W on N.; S33 on E. and S32 on W. faces, with 4 notches on E. and 2 on W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 8 ft. dist.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 89° 57' W., along the S. bdy. of sec. 32.

Over level, barren desert.

40.01

The original standard $\frac{1}{4}$ sec. cor. of sec. 32, monumented with a limestone, 4x6x8 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R15W $\frac{1}{4}$ S32 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor., bury original stone cor. alongside fir post.

N. 89° 56' W., beginning new measurement.

Continue over level, barren desert.

40.01

The original standard cor. of secs. 31 and 32, monumented with a pine post, 6x6 ins., above ground, mkd. and witnessed as described in the official record.

Monument could not be improved upon, and was rescribed as follows:

SC T5N R15W on N. face; S32 on E. and S31 on W. faces, with 5 notches on E. and 1 on W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

Dependent Resurvey of the S. Bdy., (1st Stan. Par. N.), of
T. 5 N., R. 15 W.

Chains	
	<p>N. 89° 57' W., along the S. bdy. of sec. 31.</p> <p>Over level, barren alkali desert.</p> <p>39.98 The original standard $\frac{1}{4}$ sec. cor. of sec. 31, monumented with a pine post, 6x6 ins., set, mkd. and witnessed as described in the official record.</p> <p>At the cor. point</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>SC T5N R15W $\frac{1}{4}$ S31 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Bury original wood cor. alongside fir post.</p> <p>N. 89° 56' W., beginning new measurement.</p> <p>Continue over level, barren desert.</p> <p>44.44 The standard cor. of Tp. 5 N.; Rs. 15 and 16 W., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1961 field notes of the dependent resurvey of the S. bdy. of T. 5 N., R. 16 W.</p> <p>Land, level, barren desert.</p> <p>Soil, alkali clay, fourth rate.</p> <p>Vegetation, none.</p>
	<p>Survey of the South Boundary of Township 4 North, Range 15 West</p>
	<p>Point for the cor. of Tps. 3 and 4 N., R. 15 W., at a position 477.95 chs. east of the cor. of Tps. 3 and 4 N., Rs. 15 and 16 W., established in accordance with the special instructions.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N R15W S36 on NW. and T3N R15W S1 on SW. faces, with 6 notches on W. edge. Dig pits, 18x18x12 ins., N., S. and W. of cor., 4 ft. dist.</p> <p>West, bet. secs. 1 and 36.</p> <p>Over level, barren alkali desert.</p> <p>40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N $\frac{1}{4}$ S36 on N.; R15W on E. and T3N S1 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Continue over level, barren land.</p> <p>80.00 Point for the cor. of secs. 1, 2, 35 and 36.</p>

Survey of the S. Edy. of T. 4 N., R. 15 W.

CHAINS

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S36 on NE.; R15W S1 on SE.; T3N S2 on SW. and S35 on NW. faces, with 1 notch on E. and 5 on W. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

West, bet. secs. 2 and 35.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N $\frac{1}{4}$ S35 on N.; R15W on E. and T3N S2 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set a fir post, 4x4 ins., 4 ft. long, 37 ins. in the ground, scribed as follows:

T4N S35 on NE.; R15W S2 on SE.; T3N S3 on SW. and S34 on NW. faces, with 2 notches on E. and 4 on W. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

West, bet. secs. 3 and 34.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N $\frac{1}{4}$ S34 on N.; R15W on E. and T3N S3 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SURVEY of the S. Ely. of T. 4 N., R. 15 W.

Chains

T4N S34 on NE.; R15W S3 on SE.; T3N S4 on SW. and S33 on NW. faces, with 3 notches on E. and W. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

West, bet. secs. 4 and 33.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N $\frac{1}{4}$ S33 on N.; R15W on E. and T3N S4 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S33 on NE.; R15W S4 on SE.; T3N S5 on SW. and S32 on NW. faces, with 4 notches on E. and 2 on W. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

West, bet. secs. 5 and 32.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N $\frac{1}{4}$ S32 on N.; R15W on E. and T3N S5 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S32 on NE.; R15W S5 on SE.; T3N S6 on SW. and S31 on NW. faces, with 5 notches on E. and 1 on W. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Survey of the S. Bdy. of T. 4 N., R. 15 W.

Chains

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

West, bet. secs. 6 and 31.

Over level, barren, alkali desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N $\frac{1}{4}$ S31 on N.; R15W on E. and T3N S6 on S. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level, barren desert.

77.95

The cor. of Tps. 3 and 4 N., Rs. 15 and 16 W., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1960 field notes of the E. bdy., T. 3 N., R. 16 W.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

Survey of a Portion of the Subdivision of
Township 4 North, Range 15 West

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp.

N. 0° 01' W., bet. secs. 35 and 36.

Over level, barren alkali desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S36 on E.; R15W on S. and $\frac{1}{4}$ S35 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S25 on NE.; R15W S36 on SE.; S35 on SW. and S26 on NW. faces, with 1 notch on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

Survey of a Portion of the Subdivision of T. 4 N., R. 15 W.

Chains

From the cor. of secs. 25 and 36 on the E. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1961 field notes of the west bdy. of T. 4 N., R. 14½ W.

West, bet. secs. 25 and 36.

Over level, barren alkali desert.

40.00 Point for the ¼ sec. cor. of secs. 25 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

¼ S25 on N.; T4N on E.; S36 on S. and R15 W on W. faces.
Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist.,
and raise a mound of earth, 3 ft. base, 2 ft. high, N.
of cor.

Continue over level, barren desert.

80.00 The cor. of secs. 25, 26, 35 and 36.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp.

N. 0° 02' W., bet. secs. 33 and 34.

Over level, barren alkali desert.

40.00 Point for the ¼ sec. cor. of secs. 33 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S34 on E.; R15W on S. and ¼ S33 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
and raise a mound of earth, 3 ft. high, W. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S27 on NE.; R15W S34 on SE.; S33 on SW. and S28 on
NW. faces, with 1 notch on S. and 3 on E. edges. Dig
pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 0° 02' W., bet. secs. 27 and 28.

Over level, barren alkali desert.

40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

Survey of a Portion of the Subdivision of T. 4 N., R. 15 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S27 on E.; R15W on S. and $\frac{1}{2}$ S28 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S22 on NE.; R15W S27 on SE.; S28 on SW. and S21 on NW. faces, with 2 notches on S. and 3 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 21 and 22.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S22 on E.; R15W on S. and $\frac{1}{2}$ S21 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S15 on NE.; R15W S22 on SE.; S21 on SW. and S16 on NW. faces, with 3 notches on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Survey of a Portion of the Subdivision of T. 4 N., R. 15 W.

Chains

T4N on N.; S15 on E.; R15W on S. and $\frac{1}{2}$ S16 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
and raise a mound of earth, 3 ft. base, 2 ft. high, W.

Continue over level, barren desert.

80.00

Point for the cor. of secs. 9, 10, 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S10 on NE.; R15W S15 on SE.; S16 on SW. and S9 on NW. faces, with 4 notches on S. and 3 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over level, barren alkali desert.

21.75 Intersect the N. bdy. of the Tp. (First Standard Parallel North).

Point for the closing cor. of secs. 9 and 10.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

S10 on E.; CC T4N R15W on S. and S9 on W. faces. Dig pits, 18x18x12 ins., E., S. and W. of cor., 4 ft. dist.

From this cor., the standard cor. of secs. 33 and 34, T. 5 N., R. 15 W., bears west, 10.71 chs, dist., and is monumented with a fir post, 4x4 ins., hereinbefore described.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over level, barren desert.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

$\frac{1}{2}$ S16 on N.; T4N on E.; S21 on S. and R15W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Survey of a Portion of the Subdivision of T24N., R. 15W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S16 on NE.; R15W S21 on SE.; S20 on SW. and S17 on NW. faces, with 3 notches on S. and 4 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 0° 03' W., bet. secs. 16 and 17.

Over level, barren, alkali desert.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S16 on E.; R15W on S. and $\frac{1}{2}$ S17 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level; barren desert.

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S9 on NE.; R15W S16 on SE.; S17 on SW. and S8 on NW. faces, with 4 notches on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

From the cor. of secs. 9, 10, 15 and 16.

N. 89° 58' W., bet. secs. 9 and 16.

Over level, barren alkali desert.

40.01

Point for the $\frac{1}{2}$ sec. cor. of secs. 9 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

$\frac{1}{2}$ S9 on N.; T4N on E.; S16 on S. and R15W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth 3 ft. base, 2 ft. high, N. of cor. Deposit glass at base of post.

80.02

The cor. of secs. 8, 9, 16 and 17.

Survey of a Portion of the Subdivision of T. 4 N., R. 15 W.

Chains

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 0° 03' W., bet. secs. 8 and 9.

Over level, barren alkali desert.

21.80 Intersect the N. bdy. of the Tp., (First Standard Parallel North).

Point for the closing cor. of secs. 8 and 9.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

S9 on E.; CG T4N R15W on S. and S8 on W. faces. Dig pits, 18x18x12 ins., E., S. and W. of cor., 4 ft. dist. Deposit glass at base of post.

From this cor., the standard cor. of secs. 32 and 33, T. 5 N., R. 15 W., bears N. 89° 58' W., 10.71 chs. dist., and is monumented with a fir post, 4x4 ins., hereinbefore described.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 9 on the N. bdy. of the Tp. and midpoint bet. the closing cor. of secs. 9 and 10, and the closing cor. of secs. 8 and 9.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R15W $\frac{1}{4}$ S9 on S. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, S. of cor. Deposit glass at base of post.

From this cor., the standard $\frac{1}{4}$ sec. cor. of sec. 33, T. 5 N., R. 15 W., bears N. 89° 58' W., 10.71 chs. dist., and is monumented with a fir post, 4x4 ins., hereinbefore described.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp.

N. 0° 03' W., bet. secs. 32 and 33.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S33 on E.; R15W on S. and $\frac{1}{4}$ S32 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren alkali desert.

Survey of a Portion of the Subdivision of T. 4 N., R. 15 W.

CHAINS

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S28 on NE.; R15W S33 on SE.; S32 on SW. and S29 on NW. faces, with 1 notch on S. and 4 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.

N. 0° 04' W., bet. secs. 31 and 32.

Over level, barren alkali desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S32 on E.; R15W on S. and $\frac{1}{4}$ S31 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00

Point for the cor. of secs. 29, 30, 31 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S29 on NE.; R15W S32 on SE.; S31 on SW. and S30 on NW. faces, with 1 notch on S. and 5 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over level, barren desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

$\frac{1}{4}$ S29 on N.; T4N on E.; S32 on S. and R15W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.

Form 4-680
June 1960

Survey of a Portion of the Subdivision of T. 4 N., R. 15 W.

Chains

Continue over level, barren desert.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

General Description

Township 4 North, Range 15 West, is located about 6 miles west of the south end of New Foundland Mountain and about 3 miles north of the Box Elder-Tooele County line, in the Great Salt Lake Desert. The area is level, barren, alkali desert, void of any vegetation. The soil is fourth rate alkali clay.

The elevation is 4,200 ft. above sea level. There are no roads or permanent sources of water in this township. The area is almost level and has little drainage.

Chains

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FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that,
in pursuance of special instructions bearing date of the **28** day of **July**, 19 **60**.
I have supervised the dependent resurvey of the south boundary (First
Standard Parallel North) of Township 5 North, Range 15 West, and surveyed
the south boundary and a portion of the subdivision of Township 4 North,
Range 15 West,

of the **Salt Lake** Meridian, in the State of **Utah**, which
are represented in the foregoing field notes as having been executed by ~~me~~ ^{supervision} under my ~~direction~~;
and that said survey has been made in strict conformity with said special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

August 23, 1963
(Date)

Woodrow H. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the dependent resurvey of the south boundary, (First
Standard Parallel North), of Township 5 North, Range 15 West, and the
survey of the south boundary and a portion of the subdivision of Township
4 North, Range 15 West, Salt Lake Meridian, Utah.

executed by **Boyd S. Owens**, Cadastral Surveyor, under the supervision of
Woodrow H. Sylvester, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

NOV 7 1963
(Date)

E. J. Livingston
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

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FIELD NOTES

OF THE DEPENDENT RESURVEY

OF THE SOUTH BOUNDARY (FIRST STANDARD PARALLEL NORTH)

OF TOWNSHIP 5 NORTH, RANGE 16 WEST 271 ✓

AND THE DEPENDENT RESURVEY

OF A PORTION OF THE EAST BOUNDARY

OF TOWNSHIP 4 NORTH, RANGE 17 WEST 277 ✓

AND THE SURVEY

OF THE EAST BOUNDARY

AND A PORTION

OF THE SUBDIVISION

OF TOWNSHIP 4 NORTH, RANGE 16 WEST 182 ✓

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Boyd S. Owens - Cadastral Surveyor

under the supervision of Woodrow H. Sylvester, Cadastral Surveyor

under special instructions dated July 28, 1960, which provided

for the surveys included under Group No. 442, approved July 29, 1960

and assignment instructions dated July 29, 1960

Survey commenced July 14, 1961

Survey completed August 3, 1961

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Township 4 North, Range 16 West

Chains

The south boundary (First Standard Parallel North), T. 5 N., R. 16 W., was surveyed by A. P. Hanson in 1903. The east boundary, T. 4 N., R. 17 W. was surveyed by A. P. Hanson in 1903. The south boundary T. 4 N., R. 16 W., was surveyed by Boyd S. Owens in 1960.

The following field notes are those of the dependent resurvey of the south boundary (First Standard Parallel North), of Township 5 North, Range 16 West. The dependent resurvey of a portion of the east boundary of T. 4 N., R. 17 W., and the survey of the east boundary and a portion of the subdivision of Township 4 North, Range 16 West, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

Before restoring the corners, the lines of the original survey were retraced, and diligent search made for any evidence of the original corner or other calls of the original field note record.

The rules of proportionate measurement were applied to ascertain the position of the lost corners after exhausting every reasonable possibility of finding direct evidence of the lost corners.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 591189 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $41^{\circ} 02' 16.31''$ N. and longitude $113^{\circ} 36' 39.37''$ W. as adjusted from traverses to U. S. C. & G. S. triangulation stations "South Newfoundland", located in section 31, T. 4 N., R. 13 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 17° east.

Dependent Resurvey of the S. Bdy. (First Standard Parallel North) of T. 5 N.

Chains

Dependent Resurvey of the South Boundary (First Standard Parallel North), of Township 5 North, Range 16 West

Reestablishment of the survey executed by A. P. Hanson in 1903.

Beginning at the standard cor. of Tp. 5 N., Rs. 15 and 16 W., monumented with a limestone, 8x8x14 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N on N.; R15W S31 on E. and R16W S36 on W. faces, with 6 notches on N., E. and W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist. Deposit glass at base of post. Bury original stone cor. alongside fir post.

S. 89° 59' W., along the S. bdy. of sec. 36.

Over level, barren desert.

40.01

The original standard $\frac{1}{4}$ sec. cor. of sec. 36, monumented with a limestone, 4x8x12 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W $\frac{1}{4}$ S36 on N. face. Dig pits, 18x18x12 ins. E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Bury original stone cor. and glass alongside fir post.

N. 89° 54' W., beginning new measurement.

Continue over level, barren desert.

40.02

The original standard cor. of secs. 35 and 36, monumented with a limestone, 6x6x10 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W on N.; S36 on E. and S35 on W. faces, with 1 notch on E. and 5 on W. edges. Dig pits, 18x18x12 ins. N., E. and W. of cor., 4 ft. dist. Bury original stone cor. and broken glass alongside fir post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

Dependent (Resurvey of the S. Bdy. (First Standard Parallel North) of T. 5 N., R. 16 W.

Chains

N. 89° 58' W., along the S. bdy. of sec. 35.

Over level, alkali desert through widely scattered small salt brush.

40.06

Point for the standard $\frac{1}{4}$ sec. cor. of sec. 35, at proportionate dist.; there is no remaining evidence of the original cor.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W $\frac{1}{4}$ S35 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Deposit broken glass alongside fir post.

Continue over level desert.

80.12

Point for the standard cor. of secs. 34 and 35, at proportionate dist.; there is no remaining evidence of the original cor.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W on N.; S35 on E. and S34 on W. faces, with 2 notches on E. and 4 on W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist., Deposit broken glass alongside fir post.

Land, level alkali desert.

Soil, alkali clay, fourth rate.

Vegetation, widely scattered small salt brush.

N. 89° 58' W., along the S. bdy. of sec. 34.

Over level, alkali desert.

40.06

The original standard $\frac{1}{4}$ sec. cor. of sec. 34, monumented with a limestone 4x6x8 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W $\frac{1}{4}$ S34 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Deposit original stone cor. and broken glass alongside fir post.

N. 89° 53' W., beginning new measurement.

Continue over level, barren desert.

40.03

The original standard cor. of secs. 33 and 34, monumented with a limestone, 4x6x10 ins., firmly set, dimly mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Dependent Resurvey of the S. Bdy. (First Standard Parallel North) of Twp. 5N., R. 16W.

Chains

SC T5N R16W on N.; S34 on E. and S33 on W. faces, with 3 notches on E. and W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist. Deposit original stone cor. and broken glass alongside fir post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 89° 37' W., along the S. bdy. of sec. 33.

Over level, barren alkali desert.

40.03 Point for the standard $\frac{1}{4}$ sec. cor. of sec. 33, at proportionate dist. there is no remaining evidence of the original cor.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W $\frac{1}{4}$ S33 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Deposit broken glass alongside fir post.

Continue over level, barren desert.

80.06 The original standard cor. of secs. 32 and 33, monumented with a limestone, 6x8x12 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W on N.; S33 on E. and S32 on W. faces, with 4 notches on E. and 2 on W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist. Deposit original stone cor. and broken glass alongside fir post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 89° 51' W., along the S. bdy. of sec. 32.

Over level, barren alkali desert.

40.02 The original standard $\frac{1}{4}$ sec. cor. of sec. 32, monumented with a limestone, 6x8x12 ins., firmly set, dimly mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W $\frac{1}{4}$ S32 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Deposit original stone cor. and broken glass alongside fir post.

Dependent Survey of the S. Bdy. (First Standard Parallel North) of T. 5 N., R. 16 W.

Chains

N. 89° 49' W., beginning new measurement.

Continue over level, barren desert.

40.02 The original standard cor. of secs. 31 and 32, monumented with a limestone, 4x10x14 ins., firmly set, dimly mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W on N.; S32 on E. and S31 on W. faces, with 5 notches on E. and 1 on W. edges. Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist. Deposit original stone cor. and broken glass alongside fir post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 89° 49' W., along the S. bdy. of sec. 31.

Over level, barren alkali desert.

40.01 The original standard $\frac{1}{4}$ sec. cor. of sec. 31, monumented with a limestone, 4x8x12 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N R16W $\frac{1}{4}$ S31 on N. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor. Deposit original stone cor. and broken glass alongside fir post.

N. 89° 58' W., beginning new measurement.

Continue over level, barren desert.

39.98 The original standard cor. of Tp. 5 N., Rs. 16 and 17 W., monumented with a limestone, 6x10x16 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

SC T5N on N.; R16W S31 on E. and R17W S36 on W. faces; Dig pits, 18x18x12 ins., N., E. and W. of cor., 4 ft. dist. Deposit original stone cor. and broken glass alongside fir post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

Dependent Resurvey of a Portion of the E. Bdy. of T. 4 N., R. 17 W.

Chains

Dependent Resurvey of a Portion of the East Boundary of Township 4 North, Range 17 West, With Original Corners Reenumerated to Function for Township 4 North, Range 17 West, Only, and Establishment Thereon of Corners Pertaining to Township 4 North, Range 16 West, at Regular Intervals Latitudinal from the Closing Corner of Townships 3 and 4 North, Range 16 West

Reestablishment of the survey executed by A. P. Hanson in 1903.

From the cor. of secs. 24 and 25, T. 4 N., R. 17 W., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1960 field notes of the dependent resurvey of a portion of the E. bdy. of T. 4 N., R. 17 W.

From this cor., the closing cor. of Tps. 3 and 4 N., R. 16 W., bears S. 0° 15' E., 15.57 chs. dist., and is monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1960 field notes of the N. bdy. of T. 3 N., R. 16 W.

N. 0° 03' E., along the E. bdy. of sec. 24.

Over level, barren alkali desert.

24.43 Point for the $\frac{1}{2}$ sec. cor. of sec. 31, T. 4 N., R. 16 W., 40.00 chs. northing from the closing cor. of Tps. 3 and 4 N., R. 16 W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R16W $\frac{1}{2}$ S31 on E. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor.

39.98 The original $\frac{1}{2}$ sec. cor. of secs. 19 and 24, monumented with a limestone, 4x8x15 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the $\frac{1}{2}$ sec. cor. of sec. 24, T. 4 N., R. 17 W. only.

At the cor. point.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R17W $\frac{1}{2}$ S24 on W. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor. Deposit original stone cor. alongside fir post.

N. 0° 07' E., beginning new measurement.

Continue over level, barren desert.

24.45 Point for the cor. of secs. 30 and 31, T. 4 N., R. 16 W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S30 on NE. and R16W S31 on SE, faces. Dig pits, 18x18x12 ins. NE. and SE. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor.

Dependent Resurvey of a Portion of the E. Bdy. of T. 4 N., R. 17 W.

Chains

39.99 The original cor. of secs. 13, 18, 19 and 24, monumented with a limestone, 4x8x12 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 13 and 24, T. 4 N., R. 17 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S13 on NW. and R17W S24 on SW. faces, with 3 notches on S. and N. edges. Dig pits, 18x18x12 ins., NW. and SW. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor. Deposit original stone cor. alongside fir post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

N. 0° 04' E., along the E. bdy. of sec. 13.

Over level, desert through scattered small salt brush.

24.46 Point for the $\frac{1}{4}$ sec. cor. of sec. 30, T. 4 N., R. 16 W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R16W $\frac{1}{4}$ S30 on E. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of cor.

39.98 The original $\frac{1}{4}$ sec. cor. of secs. 13 and 18, monumented with a limestone, 4x6x10 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 13, T. 4 N., R. 17 W. only.

At the cor. point

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N R17W $\frac{1}{4}$ S13 on W. face. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor. Deposit original stone cor. alongside fir post.

N. 0° 08' E., beginning new measurement.

Continue over level desert.

22.90 Leave level desert, bears N. 80° E. and S. 80° W., enter rolling hills. Asc. 10 ft. over gentle S. slope.

24.48 Point for the cor. of secs. 19 and 30, T. 4 N., R. 16 W.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T4N
R17W R16W

S13 | S19
S30

1961

Dependent Resurvey of a Portion of the E. Bdy. of T. 4 N., R. 17 W.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Asc. 85 ft. over S. slope.

39.50 Wash, 50 lks. wide, 2 ft. deep, drains SE.

40.03 The original cor. of secs. 7, 12, 13 and 18, monumented with a limestone, 6x6x12 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the cor. of secs. 12 and 13, T. 4 N., R. 17 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T4N

R17W R16W

S12 S19

S13

1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Bury original stone cor. alongside iron post.

Land, level desert S. portion; rolling hills N. portion.

Soil, alkali clay, fourth rate.

Vegetation, scattered salt brush and shadscale.

N. 0° 20' E., along the E. bdy. of sec. 12.

Over rolling land through moderate shadscale and salt brush.

Asc. 45 ft. over S. slope.

4.40 Finger spur, projects W. 1.00 chs. dist., asc. 120 ft. along steep W. slope.

11.10 Finger spur, projects W. 1.50 chs. dist.

19.30 Finger spur, projects W. 4.00 chs. dist.

24.45 Point for the ¼ sec. cor. of sec. 19, T. 4 N., R. 16 W.

Set an iron post, 30 ins. long, 2½ ins. diam., on solid limestone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N

R17W R16W

¼

S19

1961

Cor. is located on steep W. slope, about 3.00 chs. from base of hill.

25.10 Spur, projects W., 3.00 chs. dist., asc. 20 ft. along W. slope.

32.70 Saddle of ridge, bears NW. and SE., desc. 50 ft. over NE. slope.

39.82 The original ¼ sec. cor. of secs. 7 and 12, monumented with a limestone, 4x14x24 ins., firmly set, mkd. and witnessed as described in the official record. This cor. now functions as the ¼ sec. cor. of sec. 12, T. 4 N., R. 17 W. only.

Dependent Boundary of a Portion of the E. Bdy. of T. 4 N., R. 17 W.

Chains

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T4N
R17W R16W
+
S12
1961

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Bury original stone cor. alongside iron post.

N. 0° 59' E., beginning new measurement.

By triangulation, desc. about 50 ft. over NE. slope. Topography approximated.

1.00 Wash, 2.00 chs. wide, 3 ft. deep, in draw, drains E., asc. about 150 ft. over steep S. slope.

21.30 Rocky shelf on spur, projects SE. End triangulation. Asc. 85 ft. over SE. slope.

24.63 Point for the cor. of secs. 18 and 19, T. 4 N., R. 16 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N
R17W R16W
S12 | S18
S12 | S19
1961

Cor. is located on steep, ledgy SE. slope.

Asc. 150 ft. over steep, ledgy S. slope.

29.20 Rocky ridge, bears N. 60° W. and S. 60° E., desc. 125 ft. along broken E. slope.

37.20 Spur, projects E., desc. 70 ft. along broken E. slope.

40.18 Point for the original cor. of secs. 1, 6, 7 and 12, at proportionate dist.; there is no remaining evidence of the original cor. This cor. now functions as the cor. of secs. 1 and 12, T. 4 N., R. 17 W. only.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N
R17W R16W
S1 | S18
S12 | S19
1961

Land, mountainous.

Soil, clay and broken limestone, third rate.

Vegetation, scattered small greasewood and shadscale brush.

Dependent Resurvey of a Portion of the E. Bdy. of T. 4 N., R. 17 W.

Chains

N. 0° 59' E., along the E. bdy. of sec. 1.

Over mountainous land through scattered greasewood and shadscale.

Asc. 35 ft. over SE. slope.

2.10 Spur, projects E., desc. abruptly 390 ft. over steep N. slope.

17.15 Wash, 1.00 ch. wide, 3 ft. deep, in draw, drains E., asc. 35 ft. along broken E. slope.

24.46 Point for the $\frac{1}{4}$ sec. cor. of sec. 18, T. 4 N., R. 16 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N

R17W R16W

 $\frac{1}{4}$

S18

1961

Asc. 95 ft. along broken E. slope.

33.30 Top of ascent, bears E. and W., desc. 125 ft. along broken E. slope.

40.18 Point for the original $\frac{1}{4}$ sec. cor. of secs. 1 and 12, at proportionate dist.; there is no remaining evidence of the original cor. This cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 1, T. 4 N., R. 17 W. only.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N

R17W R16W

 $\frac{1}{4}$

S 1 |

1961

Desc. 145 ft. along broken E. slope.

54.40 Bottom of descent, asc. abruptly 85 ft. over broken SE. slope.

64.47 Point, for the cor. of secs. 7 and 18, T. 4 N., R. 16 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T4N

R17W R16W

S 1 | $\frac{97}{S18}$

1961

Asc. 20 ft. over SE. slope.

65.40 Spur, projects N. 20° E., desc. 190 ft. over steep N. slope.

72.30 Bottom of descent, bears irregularly NW. and SE., thence over nearly level desert.

87.51 The original closing cor. of Tp. 4 N., Rs. 16 and 17 W., monumented with a limestone, 6x8x18 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

Dependent Resurvey of a Portion of the E. Bdy. of T. 4 N., R. 17 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

R16W S7 on E.; CC T4N on S. and R17W S1 on W. faces.
Dig pits, 18x18x12 ins., E., S. and W. of cor., 4 ft.
dist. Deposit original stone cor. and broken glass
alongside fir post.

From this cor. the standard cor. of T. 5 N., Rs. 16 and 17 W., bears east, 7.47 chs. dist., monumented with a fir post, 4x4 ins., hereinbefore described.

Land, mountainous.

Soil, clay and broken limestone, third rate.

Vegetation, scattered small greasewood, salt brush and shadscale.

Survey of the East Boundary of Township 4 North, Range 16 West

From the cor. of Tps. 3 and 4 N., Rs. 15 and 16 W., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1960 field notes of the E. bdy. of T. 3 N., R. 16 W.

North, bet. secs. 31 and 36.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; R15W S31 on E. and R16W $\frac{1}{4}$ S36 on W. faces.
Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft.
dist., and raise a mound of earth, 3 ft. base, 2 ft.
high, W. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S30 on NE.; R15W S31 on SE.; R16W S36 on SW. and
S25 on NW. faces, with 1 notch on S. edge. Dig pits,
18x18x12 ins., in each sec., 4 ft. dist. Deposit
glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

North, bet. secs. 25 and 30.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Survey of the E. 1/4 of T. 4 N., R. 16 W.

Chains

T4N on N.; R15W S30 on E. and R16W $\frac{1}{4}$ S25 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor.; 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00

Point for the cor. of secs. 19, 24, 25 and 30.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S19 on NE.; R15W S30 on SE.; R16W S25 on SW. and S24 on NW. faces, with 2 notches on S. edge. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

North, bet. secs. 19 and 24.

Over level, barren alkali desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; R15W S19 on E. and R16W $\frac{1}{4}$ S24 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00

Point for the cor. of secs. 13, 18, 19 and 24.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S18 on NE.; R15W S19 on SE.; R16W S24 on SW. and S13 on NW. faces, with 3 notches on S. edge. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

North, bet. secs. 13 and 18.

Over level, barren desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; R15W S18 on E. and R16W $\frac{1}{4}$ S13 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Survey of the E. Bdy. of T. 4 N., R. 16 W.

Chains

Continue over level, barren desert.

80.00

Point for the cor. of secs. 7, 12, 13 and 18.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S7 on NE.; R15W S18 on SE.; R16W S13 on SW. and S12 on NW. faces, with 4 notches on S. edge. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

North, bet. secs. 7 and 12.

Over level, barren alkali desert.

21.88

Intersect the N. bdy. of the Tp. (First Standard Parallel North).

Point for the closing cor. of Tps. 4 N., Rs. 15 and 16 W.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

R15W S7 on E.; CC T4N on S. and R16W S12 on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist. Deposit glass at base of post.

From this cor., the standard cor. of Tps. 5 N., Rs. 15 and 16 W., bears N. 89° 56' W., 17.61 chs. dist., and is monumented with a fir post, 4x4 ins., hereinbefore described.

Land, level, barren desert.

Soil, alkali clay, fourth rate.

Vegetation, none.

Survey of a Portion of the Subdivision of
Township 4 North, Range 16 West

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1960 field notes of the N. bdy. of T. 3 N., R. 16 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over level, barren alkali desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S36 on E.; R16W on S. and $\frac{1}{4}$ S35 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

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Survey of a Portion of the Subdivision of T. 4 N., R. 16 W.

Chains	<p>Continue over level, barren desert.</p> <p>80.00 Point for the cor. of secs. 25, 26, 35 and 36.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S25 on NE.; R16W S36 on SE.; S35 on SW. and S26 on NW. faces, with 1 notch on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.</p> <p>Land, level, barren desert. Soil, alkali clay, fourth rate. Vegetation, none.</p>
40.00	<p>From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp. S. 89° 59' W., bet. secs. 25 and 36.</p> <p>Over level, barren desert.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>$\frac{1}{4}$ S25 on N.; T4N on E.; S36 on S. and R16W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.</p>
80.00	<p>Continue over level, barren desert.</p> <p>The cor. of secs. 25, 26, 35 and 36.</p> <p>Land, level, barren desert. Soil, alkali clay, fourth rate. Vegetation, none.</p>
40.00	<p>From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1960 field notes of the N. bdy. of T. 3 N., R. 16 W.</p> <p>N. 0° 02' W., bet. secs. 33 and 34.</p> <p>Over level, barren alkali desert.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N on N.; S34 on E.; R16W on S. and $\frac{1}{4}$ S33 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.</p>
80.00	<p>Continue over level, barren desert.</p> <p>Point for the cor. of secs. 27, 28, 33 and 34.</p>

Survey of a Portion of the Subdivision of T. 4 N., R. 16 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S27 on NE.; R16W S34 on SE.; S33 on SW. and S28 on NW. faces, with 1 notch on S. and 3 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 27 and 28.

Over level, barren alkali desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S27 on E.; R16W on S. and $\frac{1}{4}$ S28 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00

Point for the cor. of secs. 21, 22, 27 and 28.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S22 on NE.; R16W S28 on SE.; S27 on SW. and S21 on NW. faces, with 2 notches on S. and 3 on E. edges. Dig pits, 18x18x12 ins. in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over level, barren alkali desert.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S22 on E.; R16W on S. and $\frac{1}{4}$ S21 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

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Survey of a Portion of the Subdivision of T. 4 N., R. 16 W.

Chains

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S15 on NE.; R16W S22 on SE.; S21 on SW. and S16 on NW. faces, with 3 notches on S. and E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S15 on E.; R16W on S. and $\frac{1}{4}$ S16 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S10 on NE.; R16W S15 on SE.; S16 on SW. and S9 on NW. faces, with 4 notches on S. and 3 on E. edges. Dig pits, 18x18x12 ins. in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level, barren desert.
Soil, alkali clay, fourth rate.
Vegetation, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over level, barren alkali desert.

22.16 Intersect the N. bdy. of the Tp. (First Standard Parallel North).

Point for the closing cor. of secs. 9 and 10.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

S10 on E.; CC T4N R16W on S. and S9 on W. faces. Dig pits, 18x18x12 ins., E., S. and W. of cor., 4 ft. dist. Deposit glass at base of post.

From this cor., the standard cor. of secs. 33 and 34, T. 5 N., R. 16 W., bears N. 89° 53' W., 17.89 chs. dist., and is monumented with a fir post, 4x4 ins., hereinbefore described.

Survey of a Portion of the Subdivision of T. 4 N., R. 16 W.

Chains

Land, level, barren desert.
 Soil, alkali clay, fourth rate.
 Vegetation, none.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over level, alkali desert, through scattered salt brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

$\frac{1}{4}$ S16 on N.; T4N on E.; S21 on S. and R16W on W. faces.
 Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist.,
 and raise a mound of earth, 3 ft. base, 2 ft. high,
 N. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S16 on NE.; R16W S21 on SE.; S20 on SW. and S17 on NW.
 faces, with 3 notches on S. and 4 on E. edges. Dig pits,
 18x18x12 ins., in each sec., 4 ft. dist.

Land, level desert.
 Soil, alkali clay, fourth rate.
 Vegetation, scattered salt brush.

N. 0° 03' W., bet. secs. 16 and 17.

Over level, alkali desert through scattered salt brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S16 on E.; R16W on S. and $\frac{1}{4}$ S17 on W. faces.
 Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist.,
 and raise a mound of earth, 3 ft. base, 2 ft. high, W.
 of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S9 on NE.; R16W S16 on SE.; S17 on SW. and S8 on
 NW. faces, with 4 notches on S. and E. edges. Dig
 pits, 18x18x12 ins., in each sec., 4 ft. dist.

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Survey of a Portion of the Subdivision of T. 4 N., R. 16 W.

Chains

Land, level, desert.
Soil, alkali clay, fourth rate.
Vegetation, scattered salt brush.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 59' W., bet. secs. 9 and 16.

Over level alkali desert through scattered salt brush.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

$\frac{1}{4}$ S9 on N.; T4N on E.; S16 on S. and R16W on W. faces.
Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist.,
and raise a mound of earth, 3 ft. base, 2 ft. high, N.
of cor.

Continue over level desert.

79.98 The cor. of secs. 8, 9, 16 and 17.

Land, level desert.
Soil, alkali clay, fourth rate.
Vegetation, scattered salt brush.

N. 0° 03' W., bet. secs. 8 and 9.

Over level, alkali desert through scattered salt brush.

22.65 Intersect the N. bdy. of the Tp. (First Standard Parallel North).

Point for the closing cor. of secs. 8 and 9.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

S9 on E.; CC T4N R16W on S. and S8 on W. faces. Dig
pits, 18x18x12 ins., E. and S. and W. of cor., 4 ft.
dist.

From this cor., the standard cor. of secs. 32 and 33, T. 5 N., R. 16 W. bears N. 89° 37' W., 17.97 chs. dist., and is monumented with a fir post, 4x4 ins., hereinbefore described.

Land, level desert.
Soil, alkali clay, fourth rate.
Vegetation, scattered salt brush.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 9, on the N. bdy. and midpoint bet. the closing cor. of secs. 8 and 9, and the closing cor. of secs. 9 and 10.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

Survey of a Portion of the Subdivision of T. 4 N., R. 16 W.

Chains

T4N R16W $\frac{1}{4}$ S9 on S. face. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, S. of cor.

From this cor., the standard $\frac{1}{4}$ sec. cor. of sec. 33, T. 5 N., R. 16 W., bears N. 89° 37' W., 17.93 chs. dist., and is monumented with a fir post, 4x4 ins., hereinbefore described.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1960 field notes of the N. bdy. of T. 3 N., R. 16 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over level desert through scattered salt brush.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S33 on E.; R16W on S. and $\frac{1}{4}$ S32 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level desert.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N S28 on NE.; R16W S33 on SE.; S32 on SW. and S29 on NW. faces, with 1 notch on S. and 4 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.

Land, level desert.

Soil, alkali clay, fourth rate.

Vegetation, scattered salt brush.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., monumented with a fir post, 4x4 ins., set, mkd. and witnessed as described in the 1960 field notes of the N. bdy. of T. 3 N., R. 16 W.

N. 0° 04' W., bet. secs. 31 and 32.

Over level, barren alkali desert.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:

T4N on N.; S32 on E.; R16W on S. and $\frac{1}{4}$ S31 on W. faces. Dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Continue over level, barren desert.

202

Survey of a Portion of the Subdivision of T42N., R. 16 W.

Chains	Omit
80.00	<p>Point for the cor. of secs. 29, 30, 31 and 32.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>T4N S29 on NE.; R16W S32 on SE.; S31 on SW. and S30 on NW. faces, with 1 notch on S. and 5 on E. edges. Dig pits, 18x18x12 ins., in each sec., 4 ft. dist. Deposit glass at base of post.</p> <p>Land, level, barren desert.</p> <p>Soil, alkali clay, fourth rate.</p> <p>Vegetation, none.</p>
40.00	<p>From the cor. of secs. 28, 29, 32 and 33.</p> <p>West, bet. secs. 29 and 32.</p> <p>Over level alkali desert through widely scattered salt brush.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.</p> <p>Set a fir post, 4x4 ins., 4 ft. long, 36 ins. in the ground, scribed as follows:</p> <p>$\frac{1}{4}$ S29 on N.; T4N on E.; S32 on S. and R16W on W. faces. Dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Continue over level desert.</p>
80.00	<p>The cor. of secs. 29, 30, 31 and 32.</p> <p>Land, level, alkali desert.</p> <p>Soil, alkali clay, fourth rate.</p> <p>Vegetation, widely scattered salt brush.</p> <p>General Description</p> <p>Township 4 North, Range 16 West is located about 3 miles north of the Box Elder-Tooële County lines and about half way between the New Foundland Mountains and the Utah-Nevada State line, in the Great Salt Lake Desert. The area is level, alkali desert except in the northwest cor., which is mountainous. The soil is alkali clay, fourth rate in the desert; and clay and broken limestone in the mountains.</p> <p>The drainage is slight and to the east. No roads or permanent sources of water was found in the township. The elevation of the desert portion of the township is 4,200 ft. above sea level. The northwest corner of the township is 4,600 ft. above sea level. There is no timber in the township, and the vegetation is scattered, small salt brush, shadscale, and greasewood in the west portion. There is no vegetation in the east portion.</p>

FIELD ASSISTANTS

GBQ 024696

CERTIFICATE OF SURVEY

I, **Woodrow H. Sylvester**, HEREBY CERTIFY upon honor that,
 in pursuance of special instructions bearing date of the 28 day of July, 19 60,
 I have supervised the dependent resurvey of the south boundary of the First
 Standard Parallel North of Township 5 North, Range 16 West, and a portion
 of the east boundary of Township 4 North, Range 17 West, and the survey
 of the east boundary and a portion of the subdivision of Township 4 North,
 Range 16 West,
 of the Salt Lake Meridian, in the State of Utah, which
 are represented in the foregoing field notes as having been executed ~~by me and~~ ^{under my supervision}
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

August 23, 1963
 (Date)

Woodrow H. Sylvester
 (Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the dependent resurvey of the south boundary (First
 Standard Parallel North) of Township 5 North, Range 16 West, and the
 dependent resurvey of a portion of the east boundary of Township 4 North,
 Range 17 West, and the survey of the east boundary and a portion of the
 subdivision of Township 4 North, Range 16 West, Salt Lake Meridian, Utah,
 executed by Boyd S. Owens, Cadastral Surveyor, under the supervision of
 Woodrow H. Sylvester, Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.

NOV 7 1963
 (Date)

E. L. Livingston
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPT. OF THE INTERIOR
BUR OF LAND MGMT

1964 JAN 23 AM 11 01 5

RECEIVED
STATE & LAND OFFICE
SALT LAKE CITY, UTAH

DEPENDENT RESURVEY

OF A

PORTION OF THE SUBDIVISION

THE

SURVEY OF A PORTION OF THE SOUTH AND EAST BOUNDARIES

AND A

PORTION OF THE SUBDIVISION

OF

TOWNSHIP 12 SOUTH, RANGE 16 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Glen B. Hatch, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated September 28, 1960, which provided

for the surveys included under Group No. 446, approved October 5, 1960

and assignment instructions dated April 25, 1961

Survey commenced September 19, 1961

Survey completed October 6, 1961

INDEX DIAGRAM

Township 12 SOUTH, Range 16 EAST

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21	22	23	24	6 26	10 25 4
				10	9
				5 25	8 26 3
				2	2

GPO 886119

Lines surveyed by Fred R. Chappell ———

Lines surveyed by Glen B. Hatch ———

Township 12 South, Range 16 East.

Chains

The west $4\frac{1}{2}$ miles of the south boundary of Township 12 South, Range 16 East, was surveyed by Harvey D. Heist and Job H. Winwood, in 1908, the north 4 miles of the east boundary and a portion of the subdivision of Township 12 South, Range 16 East, was surveyed by Harvey D. Heist and Walter A. Stumm, in 1910.

The following field notes are those of a dependent resurvey of the east boundaries of sections 27 and 34, the south boundaries of sections 23 and 24; the survey of the east $1\frac{1}{2}$ miles of the south boundary, the south 2 miles of the east boundary and a portion of the subdivision of Township 12 South, Range 16 East.

Before restoring corners, the lines of the original survey were retraced and a diligent search made for any evidence of the original corners or other calls of the original field notes record. The rules of proportionate measurement were applied to ascertain the position of lost corners after every reasonable possibility of finding direct evidence for the control of each particular corner had been exhausted.

The survey was executed with W. and L. E. Gurley Solar Transits Nos. 541327 and 580158 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by the Solar Transit method.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 43' 22.997''$ N. and longitude $110^{\circ} 03' 45.415''$ W. as adjusted from traverses to U. S. G. S. triangulation station "Rock" located in section 36, T. 12 S., R. 16 E.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 10'$ east.

Survey of a Portion of the South Boundary
of Township 12 South, Range 16 East

Beginning at the $\frac{1}{4}$ sec. cor. of secs. 2 and 35, monumented by a sandstone rock, $4 \times 8 \times 12$ ins., set, mkd. and witnessed as described in the official record.

Survey of a Portion of the S. E. of T. 12 S., R. 16 E.

Chains

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T12S R16E

S35

S 2

T13S

1961

East, bet. secs. 2 and 35.

Over mountainous land through medium timber and scant undergrowth.

Desc. 560 ft. over NE. slope.

40.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

S35/S36

S 2/S 1

T13S

1961

Land, rough, mountainous.

Soil, rocky clay loam.

Timber, medium dense juniper and pinon.

Undergrowth, scattered serviceberry, buck brush and grass.

East bet. secs. 1 and 36.

Over mountainous land through medium timber and scant undergrowth.

Desc. 80 ft. over a NE. slope.

1.60

Wash, 40 lks. wide, 3 ft. deep, in bottom of canyon, drains SE.; asc. 150 ft. over a W. slope.

7.30

Spur, projects S. 33° E.; desc. 160 ft. over a broken E. slope.

14.00

Draw, drains SE.; asc. 640 ft. over a badly broken SW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, falls on the steep SW. slope of a sandstone ledge where the cor. cannot be perpetuated; asc. 80 ft. over a broken SW. slope.

40.85

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

S 36

S 1 W C

T13S

1961

Survey of a Portion of the S. Bdy. of Twp 12 S., R. 16 E.

Chains

Thence along a ledgy S. slope.

60.00 Rim of canyon, bears N. and S., asc. 80 ft. over a W. slope.

64.50 Bladed road, bears S. 70° E. and N. 70° W., asc. 160 ft. over a W. slope.

72.50 Spur, projects N., desc. 115 ft. along a NE. slope.

80.00 Point for the cor. of Tps. 12 and 13 S., Rs. 16 and 17 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S
R16E R17E
S36 | S31
S1 | S6
T13S
1961

Land, rough mountainous.

Soil, rocky sandy clay, with exposed and eroded sandstone.

Timber, medium juniper and pinon.

Undergrowth, scattered buck brush, service berry, wild apple, and grass.

Survey of a Portion of the East Boundary
of Township 12 South, Range 16 East

From the cor. of Tps. 12 and 13 S., Rs. 16 and 17 E.

N. 0° 20' W., between secs. 31 and 36.

Over rough mountainous land, through medium timber, and scant undergrowth.

Desc. 320 ft. over a NE. slope.

18.00 Draw, drains NE. asc. 160 ft. along an E. slope.

28.00 Spur, projects NE., desc. 200 ft. over a N. slope.

40.00 Point for the ¼ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S
R16E R17E
¼
S36 | S31
1961

Desc. 80 ft. over a N. slope.

42.00 Draw, drains, E. asc. 240 ft. over a S. slope.

44.30 Spur, projects N. 75° E., desc. 600 ft. over a N. slope.

Survey of a Portion of the E. 1/4 of T. 12 S., R. 16 E.

Chains	
74.00	Draw, drains NE; asc. 120 ft. over a 5° slope.
78.20	Spur projects E.; desc. 40 ft. over a NE. slope.
80.00	Point for the cor. of secs. 25, 30, 31 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T12S R16E R17E S25 S30 S36 S31 1961
	Land, rough mountainous. Soil, rocky clay loam, with broken and eroded sandstone. Timber, medium juniper and pinon. Undergrowth, scattered buck brush, mountain rush and grass.
	N. 0° 20' W. between secs. 25 and 30. Over mountainous land, through medium timber and scant undergrowth. Desc. 180 ft. over a NE. slope.
10.60	Junction of draw from W., and draw from NE, draining SE., asc. 105 ft. over a SE. slope.
15.80	East end of spur, from the NW., asc. 95 ft. along an E. slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T12S R16E R17E S25 S30 S36 S31 1961
	Desc. 40 ft. along E. slope.
62.00	Draw, drains SE., asc. 400 ft. over SW. changing to S. slope.
72.90	Rim, bears NW. and SE., thence over nearly level bench land.
79.93	The cor. of secs. 19, 24, 25 and 30, monumented by an iron post, 3 ins. diam., conforming to the record.
	Land, broken, mountainous. Soil, rocky, sandy clay, with broken and eroded sandstone. Timber, medium juniper and pinon. Undergrowth, scattered buck brush, mountain rush and grass.

Dependent Resurvey of a Portion of the Subdivision of T. 12 S., R. 16 E.

Chains

**Dependent Resurvey of a Portion of the Subdivision
of Township 12 South, Range 16 East**

Reestablishment of a portion of the survey executed by Harvey D. Maist and Walter A. Stumm in 1910.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., monumented with a sandstone rock, 4x8x14 ins. firmly set in a mound of stone and mkd. with 2 notches on the E. and 4 notches on the W. edges.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with a 4 ft. base to top, with brass cap mkd.

T12S R16E
S34|S35
S3|S2
T13S
1961

Deposit the original cor. in the mound alongside the iron post.

N. 0° 19' W. along the E. bdy. of sec. 34.

Over mountainous land, through medium dense timber, and sparse undergrowth.

Asc. 40 ft. over a gentle S. slope.

19.90 Top of rise, desc. 110 ft. over a NE. slope.
W.

39.94 Point for the ¼ sec. cor. of sec. 35, at midpoint.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E
¼
S35
1961

40.36 Point for the original ¼ sec. cor. of secs. 34 and 35 at proportionate dist.; there is no remaining evidence of the original cor. This cor. will now refer to sec. 34, only.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S
R16E
¼
S34
1961

Dependent Reserve of a Portion of the Subdivision of E. 32 and E. 16 E.

Chains		Notes
		Desc. 70 ft. over a NE. slope.
44.50		Draw, drains S. 60° E.; asc. 185 ft. over a SW. slope.
63.50		Bladed dirt road, bears NW. and SE.; asc. 70 ft. over a SW. slope.
79.88		The closing cor. of secs. 26 and 35, hereinafter described.
80.72		The original cor. of secs. 26, 27, 34 and 35, monumented by an iron post, 2 ins. diam., conforming to the official record, I remark the cor. to refer to secs. 27 and 34 only.
		Land, mountainous.
		Soil, rocky clay, loam.
		Timber, medium dense juniper and pinon.
		Undergrowth, scant buck brush, sagebrush and grass.
		North, along the E. bdy. of sec. 27.
		Over mountainous land, through medium dense timber and scant undergrowth.
		Asc. 150 ft. over SW. slope.
3.80		Bladed dirt road, bears NW. and SE.; asc. 35 ft. over SW. slope.
6.70		Spur, projects S. 60° E., thence along E. slope.
10.20		Bladed dirt road, bears N. 70° E., and SW.; asc. 40 ft. along E. slope.
19.70		Spur, projects E.; desc. 345 ft. over NE. slope.
39.16		Point for the $\frac{1}{4}$ sec. cor. of sec. 26, at 40.00 chs. northing from the closing cor. of secs. 26 and 35.
		Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.
		T12S R16E
		$\frac{1}{4}$
		S26
		1961
39.67		The original $\frac{1}{4}$ sec. cor. of secs. 26 and 27, monumented by an iron post, 1 in. diam., conforming to the official record. I remark the iron post, to refer to sec. 27 only.
		N. 0° 06' W., beginning new measurement.
		Desc. 60 ft. over a N. slope.
10.10		Draw, drains NE.; asc. 50 ft. over a SE. slope.
19.30		Top of ascent; desc. 75 ft. over a gentle N. slope.
39.97		The cor. of secs. 22, 26 and 27, monumented by an iron post, 2 ins. diam., conforming to the record.

Re-survey of a Portion of the Subdivision of T. 12 S., R. 16 E.

Chains

Land, mountainous.

Soil, rocky clay loam.

Timber, medium dense juniper and pinon.

Undergrowth, scant buck brush, sagebrush and grass.

From the cor. of secs. 19, 24, 25 and 30 on the E. bdy. of the Tp. monumented by an iron post, 3 ins. diam., conforming to the official record.

S. 89° 52' W. along the S. bdy. of sec. 24.

Over mountainous land, through medium timber and scant undergrowth.

3.00 Rim, bears N. and S., begin abrupt descent, desc. 300 ft. over a broken W. slope.

8.00 Draw, drains S. 10° E.; asc. 350 ft. over an E. slope.

39.86 Point for the $\frac{1}{4}$ sec. cor. of sec. 25, at midpoint.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

$\frac{1}{4}$ S 25

1961

40.12 The original $\frac{1}{4}$ sec. cor. of secs. 24 and 25, monumented by an iron post, 1 in. diam., conforming to the official record. I remark the iron post, to refer to sec. 24 only.

N. 89° 56' W., beginning new measurement.

Asc. 60 ft. over an E. slope.

4.90 Spur, projects S. 15° E., desc. 240 ft. over a W. slope.

28.00 Draw, drains S.; asc. 450 ft. over a NE. slope.

39.60 The closing cor. of secs. 25 and 26, hereinafter described.

40.24 The original cor. of secs. 23, 24, 25 and 26, monumented by an iron post, 2 ins. diam., conforming to the official record; I remark the iron post, to refer to secs. 23 and 24 only.

Land, mountainous.

Soil, rocky clay loam.

Timber, medium dense juniper and pinon.

Undergrowth, scant buck brush, sagebrush and grass.

N. 89° 50' W., along the S. bdy. of sec. 23.

Over mountainous land, through medium dense timber and scant undergrowth.

Asc. 350 ft. over a NE. changing to an E. slope.

Dependent Resurvey of a Portion of the Subdivision of T. 12 S., R. 16 E.

Chains	
27.20	Spur, projects NE.
27.50	Bladed dirt road, bears NE, and SW., desc. 150 ft. over a NW. slope.
38.62	The original $\frac{1}{4}$ sec. cor. of secs. 23 and 26, monumented by an iron post, 1 in. diam., conforming to the official record; I remark the iron post, to refer to sec. 23 only.
N. 89° 22' W., beginning new measurement.	
N.	
0.58	Point for the $\frac{1}{4}$ sec. cor. of sec. 26, at midpoint.
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.	
T12S R16E	
$\frac{1}{4}$ S 26 1961	
Desc. 350 ft. over a W. slope.	
36.38	Draw, drains N., asc. 250 ft. over a broken E. slope.
38.78	W. rim of draw, bears N. and S., thence along a gentle N. slope.
40.42	The cor. of secs. 22, 23, 26 and 27, previously described.
Land, mountainous. Soil, rocky clay loam. Timber, medium dense juniper and pinon. Undergrowth, scant buck brush, sagebrush, mountain rush and grass.	
Survey of a Portion of the Subdivision of Township 12 South, Range 16 East	
From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp. N. 0° 21' W., between secs. 35 and 36.	
Over mountainous land, through medium timber and scant undergrowth. Desc. 60 ft. over a N. slope.	
2.00	Draw, drains SE., asc. 340 ft. over a S. slope.
13.50	Spur, projects SE.; desc. 80 ft. along an E. slope.
22.50	Draw, drains SE.; asc. 300 ft. over a S. slope.
29.70	Rim of bench, bears E. and W.; asc. 25 ft. over a gentle S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground, to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.	
T12S R16E $\frac{1}{4}$ S36 1961	

Survey of a Portion of the Subdivision of T. 12 S., R. 16 E.

Chains

From this cor., U. S. G. S. triangulation station "Rock", bears S. 85° 53' E., 46.00 chs. dist.

Desc. 30 ft. over a gentle N. slope.

44.20 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 50 ft. over a S. slope.

51.90 Trail road, bears E. and W.; asc. 55 ft. over a S. slope.

67.00 Bladed road, bears NE. and SW.

71.60 Low spur, projects E.; desc. 70 ft. over a gentle N. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

S26 S25

S35 S36

1961

Land, mountainous.

Soil, rocky, sandy clay.

Timber, medium juniper and pinon.

Undergrowth, scattered buck brush, mountain rugh and grass.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp. S. 89° 55' W. between secs. 25 and 36.

Over mountainous land, through medium timber and scant undergrowth.

Asc. 350 ft. over a NE. slope.

23.60 Base of ledge, 40 ft. high, asc. 215 ft. along the top of a spur, projecting S. 85° E.

36.90 Spur, projects NE.; desc. 40 ft. over a NW. slope.

39.92 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

S 25

¼ S 36

1961

Desc. 180 ft. over a NW. slope.

45.00 Draw, drains N. 30° E.; asc. 250 ft. over an E. slope.

53.00 Slope, changes to N.; asc. 80 ft.

79.84 The cor. of secs. 25, 26, 35 and 36.

320

Survey of a Portion of the Subdivision of T12S R. 16E

Chains

Land, mountainous.
Soil, rocky, sandy clay.
Timber, medium juniper and pinon.
Undergrowth, scattered buck brush, mountain rush and grass.

West, between secs. 26 and 35.

Over mountainous land, through medium timber and scant undergrowth.

Asc. 40 ft. along a NE. changing to N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

	S 26
$\frac{1}{4}$	S 35
	1961

Asc. 280 ft. over a N. changing to E. slope.

53.80 Ledge rim, 30 ft. high, bears N. and S.; asc. 40 ft. over a gentle E. slope.

70.80 Ridge, bears NW. and SE.; desc. 135 ft. over a broken W. slope.

74.80 Bladed dirt road, bears NW. and SE.; desc. 100 ft. over a SW. slope.

80.12 Intersect the E. bdy. of sec. 34.

Point for the closing cor. of secs. 26 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

	S26 C
S34	S35 C
	1961

From the point of intersection, the cor. of secs. 27 and 34, bears N. $0^{\circ} 19' W.$, 84 lks. dist., hereinbefore described.

Land, mountainous.
Soil, rocky, sandy clay.
Timber, medium juniper and pinon.
Undergrowth, scant, buck brush, mountain rush and grass.

From the cor. of secs. 25, 26, 35 and 36.

N. $0^{\circ} 21' W.$, between secs. 25 and 26.

Over mountainous land, through medium timber, and scant undergrowth.

Desc. 380 ft. over a NE. slope.

Survey of a Portion of the Subdivision of T. 12 S., R. 16 E.

Chains

15.00 Draw, drains E., asc. 400 ft. over a S. slope.

30.20 Spur, projects E.; desc. 80 ft. over a NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 26.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

$\frac{1}{4}$

S26|S25

1961

Desc. 80 ft. over a NE. slope.

42.60 Draw, drains E.; asc. 100 ft. over a S. slope.

50.40 Low spur, projects E.; desc. 40 ft. over a NE. slope.

58.70 Head of draw, drains E.; asc. 50 ft. over a SE. slope.

67.70 Low spur, projects E.; desc. 115 ft. over a NE. slope.

79.90 Intersect the S. bdy. of sec. 24.

Point for the closing cor. of secs. 25 and 26.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R16E

S 24

S26|S25

C C

1961

From the point of intersection, the cor. of secs. 23 and 24, bears N. $89^{\circ} 56'$ W., 64 lks. dist., hereinbefore described.

Land, mountainous.

Soil, rocky, clay loam.

Timber, medium juniper and pinon.

Undergrowth, scattered buck brush, mountain rush and grass.

General Description

The land in secs. 25, 26, 35 and 36, T. 12 S., R. 16 E., consists mostly of a sandy clay, with a considerable amount of broken and eroded sandstone. The general elevation ranges from about 6,000 ft. to about 6,800 ft. above sea level. The drainage is to the south-east into the Green River, about 6 miles distant.

There is a scattered to dense growth of juniper and pinon, over most of the area. The undergrowth consists mainly of a scattered growth of buck brush, mountain rush, wild apple, sagebrush and grass. A considerable amount of exploration for natural gas and oil, has been done, and is still being carried on in the area. There are no habitations in the area.

FIELD ASSISTANTS

1000

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that,
in pursuance of special instructions bearing date of the 28th day of **September**, 19 **60**,
I have supervised the dependent resurvey of a portion of the subdivision
and the survey of a portion of the south and east boundaries and a portion
of the subdivision of Township 12 South, Range 16 East.

of the **Salt Lake** Meridian, in the State of **Utah**, which
are represented in the foregoing field notes as having been executed ~~by me~~ ^{under my supervision}
and that said survey has been made in strict conformity with said special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

August 22, 1963
(Date)

Craig P. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the **dependent resurvey of a portion of the subdivision**
and the survey of a portion of the south and east boundaries and a portion
of the subdivision of Township 12 South, Range 16 East, Salt Lake Meridian,
Utah.

executed by **Fred R. Chappell and Glen B. Hatch - Cadastral Surveyors, under**
the supervision of Craig P. Sylvester, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

DEC 3 1963
(Date)

E. E. Livingston
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

16-5775
(Revised October 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

311
DEPT. OF THE INTERIOR
BUR OF LAND MGMT
1964 JAN 23 AM 11 01.9

RECEIVED
STATE & LAND OFFICE
SALT LAKE CITY, UTAH

SURVEY OF THE EAST 2 MILES OF THE SOUTH

BOUNDARY, THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 13 SOUTH, RANGE 16 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Glen B. Hatch, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated September 28, 1960, which provided

for the surveys included under Group No. 446, approved October 5, 1960

and assignment instructions dated April 25, 1961

Survey commenced September 7, 1961

Survey completed September 26, 1961

INDEX DIAGRAM

Township 13 SOUTH, Range 16 EAST

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				2	2

GPO 866118

Fred R. Chappell

Glen B. Hatch

363
350
290
289
289

Township 13 South, Range 16 East

Chains

The west 4 miles of the south boundary, the west boundary, the west $4\frac{1}{2}$ miles of the north boundary and a portion of the subdivisional lines were surveyed by Heist and Winwood in 1908. The east $1\frac{1}{2}$ miles of the north boundary were surveyed concurrently by Fred R. Chappell.

The following field notes are of a survey of the east 2 miles of the south boundary, the east boundary, and a portion of the subdivision of Township 13 South, Range 16 East, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 580158 and 541327 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The directions of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 38' 36.436''$ N. and longitude $110^{\circ} 03' 46.388''$ W. as adjusted from traverses to U. S. G. S. triangulation stations "Rock" and "Black Hill", located in section 36, T. 12 S., R. 16 E., and section 9, T. 16 S., R. 16 E., respectively.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° east.

Survey of the South Boundary of Township 13 South, Range 16 East

Beginning at the cor. of secs. 2, 3, 34 and 35, monumented with a sandstone firmly set, mkd. and witnessed as described in the official record.

Survey of the S. Edy. of T. 13 S., R. 16 E.

Chains

about 2

At the cor. point

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T13S R16E

$$\begin{array}{r} 834 \end{array} \begin{array}{r} 835 \\ 83 \end{array} \begin{array}{r} S2 \end{array}$$

T14S

1961

East, bet. secs. 2 and 35.

Over mountainous land through dense timber.

Desc. abruptly over ledge, 20 ft. high, bears NW. and SE., thence desc. 160 ft. over broken NE. slope.

16.00 Wash, 20 lks. wide, 4 ft. deep, in bottom of draw, drains S. 20° E., asc. 410 ft. over SW. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 35.

On a SW. slope, 180 ft. above draw.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a collar of stone with brass cap mkd.

T13S R16E

$$\begin{array}{r} \frac{1}{2} S 35 \\ S 2 \end{array}$$

T14S

1961

Continue ascent:

58.50 Spur, projects SE.; desc. 180 ft. over gentle E. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T13S R16E

$$\begin{array}{r} 835 \end{array} \begin{array}{r} 836 \\ 82 \end{array} \begin{array}{r} S1 \end{array}$$

T14S

1961

Land, mountainous.

Soil, sandy loam.

Timber, dense pinon and juniper.

East, bet. secs. 1 and 36.

Over rolling mountain top through dense timber.

Survey of the E. Bdy. of T. 13 S., R. 16 E.

Chains

Desc. 180 ft. over NE. slope.

12.00 Small draw, drains NE., asc. 20 ft. over NW. slope.

23.00 Small spur, projects N., desc. 1,250 ft. over NE. slope.

31.80 Top of ledge, 20 ft. high, bears NW. and SE., continue descent.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

On a NE. slope 370 ft. below section cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. 12 ins. in the ground and in a mound of stone 3 ft. base to top, with brass cap mkd.

T13S R16E

S 36

 $\frac{1}{4}$ S 1

T14S

1961

Continue descent over NE. slope.

46.00 Descent becomes steep and broken.

78.17 Point selected for the witness cor. of Tps. 13 S., Rs. 16 and 17 E.

On a narrow ledge, 50 ft. high, bears E. and W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. on solid sandstone and in a mound of stone 4 ft. base to top, with brass cap mkd.T13S
R16E R17E

S36 | S31

T14S

WC

1961

80.00 Point for the cor. of Tps. 13 S., Rs. 16 and 17 E. falls on ledge sloping NE. and cannot be perpetuated.

Land, rolling mountain top 40.00 chs., broken 40.00 chs.

Soil, rocky, sandy loam.

Timber, dense pinon, juniper and pine.

Survey of the East Boundary of T. 13 S., R. 16 E.

From true point for cor. of Tps. 13 S., Rs. 16 and 17 E.

N. $0^{\circ} 09'$ E. bet. secs. 31 and 36.

Over broken, mountainous land through medium timber.

By triangulation, desc. about 320 ft. over steep, broken NE. slope.

3.00 Approximate dist. to bottom of Little Cedar Ridge Canyon, drains SE., asc. about 1,360 ft. over steep, broken S. slope.

316

Survey of the S. Bdy. of T. 12 S., R. 16 E.

Chains

- 27.88 End triangulation, continue ascent.
- 30.20 Spur, projects nearly E., desc. 190 ft. over N. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.
- Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

T13S

R16E R17E

 $\frac{1}{4}$

S36|S31

1961

Land becomes rolling.
Continue descent.

- 49.50 Small draw, drains NE., asc. 30 ft. over SE. slope.
- 54.60 Low spur, projects NE., desc. 50 ft. over NE. slope.
- 65.80 Wash, 20 lks. wide 3 ft. deep, in bottom of draw, drains SE., asc. 50 ft. over gentle S. slope.
- 79.00 Low spur, projects E., thence along E. slope.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground and in a mound of stone 3 ft. base, to top, with brass cap mkd.

T13S

R16E R17E

S25|S30

S36|S31

1961

Land, broken 40.00 chs., rolling 40.00 chs.
Soil, rocky loam.
Timber, medium to dense pinon and juniper.

N. $0^{\circ} 09'$ E. bet. secs. 25 and 30.

Over rolling mountain top through dense timber.

Desc. 100 ft. over gentle N. slope.

- 9.80 Leave timber, bears E. and W., enter sagebrush flat.

- 28.50 Wash, 40 lks. wide 8 ft. deep, drains S. 60° E., asc. 220 ft. over S. slope.

- 37.00 Enter dense timber, bears NW. and SE.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, to top, with brass cap mkd.

T13S

R16E R17E

 $\frac{1}{4}$

S25|S30

1961

Survey of the E. Rdy. of T. 13 S., R. 16 E.

Chains

Continue ascent.

47.50 Spur, projects S. 70° E., desc. 540 ft. over NE. slope.

64.40 Top of ledge, 15 ft. high, bears irregularly E. and W.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post 30 ins. long, 2½ ins. diam. 8 ins. in the ground
and in a mound of stone 4 ft. base, to top, with brass cap mkd.

T13S
R16E R17E
S24|S19
S25|S30
1961

Land, rolling mountain.

Soil, loam.

Timber, dense pinon and juniper.

N. 0° 09' E. bet. secs. 19 and 24.

Over rolling land through dense timber.

Desc. 90 ft. over NE. slope.

6.90 Cedar Ridge Canyon, drains E., asc. 160 ft. over gentle S. slope.

30.60 Spur, projects E., desc. 100 ft. over gentle NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post 30 ins. long, 2½ ins. diam. 10 ins. in the ground
and in a mound of stone 4 ft. base, to top, with brass cap mkd.

T13S
R16E R17E
¼
S24|S19
1961

Continue descent.

45.10 Wash, 30 lks. wide, 2 ft. deep, in bottom of draw, drains SE., asc. 400 ft. over S. slope.

75.20 Top of ledge, 30 ft. high, bears E. and W., continue ascent.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post 30 ins. long, 2½ ins. diam. 10 ins. in the ground
and in a mound of stone 4½ ft. base to top, with brass cap mkd.

T13S
R16E R17E
S13|S18
S24|S19
1961

318

Survey of the E. 1/4 Sec. 16, T. 16 N., R. 16 E.

Chains

Land, rolling.
Soil, loam.
Timber, dense pinon and juniper.

N. 0° 09' E. bet. secs. 13 and 18.

Over rolling land through dense timber.

Asc. 100 ft. over SE. slope.

15.50 Top of ascent, slopes SE., thence across top.

17.88 Road, unimproved, bears N. 56° W. and S. 56° E., desc. 280 ft. over gentle N. slope to $\frac{1}{4}$ cor.

29.30 Road, unimproved, bears NE. and SW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post 30 ins. long, 2 $\frac{1}{2}$ ins. diam. 14 ins. in the ground
and in a mound of stone 5 ft. base, to top, with brass cap mkd.

T13S
R16E R17E
 $\frac{1}{4}$
S13|S18
1961

By triangulation, continue descent over N. slope. Desc. about 320 ft.

66.00 Approximate dist. to draw, drains NW., asc. about 160 ft. over SW. slope.

77.60 Small spur, projects W., desc. 110 ft. over NW. slope. End triangulation.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post 30 ins. long, 2 $\frac{1}{2}$ ins diam., 6 ins. in the ground
and in a mound of stone, to top, with brass cap mkd.

T13S
R16E R17E
S12|S 7
S13|S18
1961

Land, rolling.
Soil, rocky loam.
Timber, dense pinon and juniper.

N. 0° 09' E. bet. secs. 7 and 12.

Over broken land through medium timber.

By triangulation, desc. about 240 ft. over broken NW. slope.

16.50 Spur, projects N. 46° W., and triangulation; desc. about 960 ft. over steep, broken NE. slope.

Survey of the E. Bdy. of T. 13 S., R. 16 E.

Chains

35.00 Wash, 40 lks. wide, 2 ft. deep, Jack Creek, drains E., asc. about 720 ft. over ledges on broken SW. slope.

37.54 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

At base of nearly perpendicular ledge, 200 ft. high, bears NW. and SE.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, brass cap mkd.

T13S
R16E R17E

$\frac{1}{4}$

W.C.

S12/S7
1961

By triangulation.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 falls on near verticle ledge, and cannot be monumented.

63.20 Spur, projects SW., end triangulation, thence asc. 160 ft. over broken SW. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam. 10 ins. in the ground and in a mound of stone 4 ft. base, to top, with brass cap mkd.

T13S
R16E R17E

S 1/S 6

S12/S 7

1961

Land, broken.

Soil, rocky, sandy loam.

Timber, medium pinon and juniper.

N. $0^{\circ} 09'$ E. bet. secs. 1 and 6.

Over mountainous land through dense timber.

By triangulation, asc. about 230 ft. over broken SW. slope.

10.00 Top of ledge, 150 ft. high, bears SE. and NW., asc. 250 ft. over SW. slope.

10.24 End triangulation.

16.60 Road, unimproved, bears S. 60° E. and N. 60° W.

30.00 Spur, projects SE., desc. 150 ft. over NE. slope.

39.78 The cor. of Tps. 12 and 13 S., Rs. 16 and 17 E., monumented with an iron post, $2\frac{1}{2}$ ins. diam., mkd. and witnessed as described in the 1961 field notes of the south boundary of T. 12 S., R. 16 E.

Land, mountainous.

Soil, rocky loam.

Timber, dense pinon and juniper

Survey of the Subdivision of T. 13 S., R. 16 E.

Chains

Survey of the Subdivision of T. 13 S., R. 16 E.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp.
N. 0° 08' E. bet. secs. 35 and 36.
Over mountainous land through dense timber.
Desc. 350 ft. over NE. slope.

20.00 Rocky wash, 20 lks. wide 2 ft. deep, drains E., asc. 80 ft. over rocky SE. slope.

32.00 Spur, projects NE., desc. 240 ft. over rocky NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

On a NW. slope.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone 3 ft. base, to top, with brass cap mkd.

T13S R16E

$\frac{1}{4}$
S35 S36

1961

By triangulation, continue descent.

48.50 Approximate dist. to draw, drains NE., asc. about 40 ft. over SE. slope, leave timber, bears NE. and SW.

51.00 Small spur, projects E., desc. about 50 ft. over NE. slope.

56.00 Approximate dist. to Little Cedar Ridge Canyon, drains SE., asc., about 320 ft. over rocky SW. slope. Enter timber, bears NW. and SE.

80.00 Point for the cor. of secs. 25, 26, 35 and 36. End triangulation.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T13S R16E

S26 S25
S35 S36

1961

Land, mountainous.

Soil, rocky loam.

Timber, dense pinon and juniper.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp.
N. 89° 50' W. bet. secs. 25 and 36.

Over mountainous land through medium timber.

Survey of the Subdivision of T. 13 S., R. 16 E.

Chains

By triangulation, asc. about 240 ft. over gentle SE. slope.

30.00 Asc. over SE. slope of spur.

39.91 Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 36.

On a spur, projects NE.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. in the ground, and in a mound of stone 3 ft. base, to top, with brass cap mkd.

T13S R16E

S 25

S 36

1961

End triangulation, asc. 100 ft. over gentle NE. slope.

54.80 Timber becomes dense.

63.80 Top of ascent, bears NW. and SE., desc. 120 ft. over rocky SW. slope.

79.82 The cor. of secs. 25, 26, 35 and 36.

Land, mountainous.

Soil, rocky loam.

Timber, medium to dense pinon and juniper.

From the cor. of secs. 1, 2, 35 and 36 on the north boundary of the township, monumented with an iron post, set, mkd. and witnessed as described in the 1961 field notes of the south boundary of T. 12 S., R. 16 E.

S. $0^{\circ} 08'$ W. bet. secs. 1 and 2.

Over mountainous land through medium dense timber.

Asc. 410 ft. over steep, NE. slope.

17.30 Spur, projects E., desc. 480 ft. over steep S. slope.

36.50 Canyon, drains irregular E., asc. 100 ft. over N. slope.

39.83 Point for the cor. of secs. 1, 2, 11 and 12 at a position calculated to be bet. the cors. of secs. 1, 6, 7 and 12; and 3, 4, 9 and 10.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam. 10 ins. in the ground and in a mound of stone 3 ft. base to top, with brass cap mkd.

T13S R16E

S 2 | S 1

S11 | S12

1961

Land, mountainous.

Soil, rocky loam.

Timber, medium dense pinon and juniper.

S. $89^{\circ} 58'$ W. on a calculated course bet. secs. 2 and 11.

Over mountainous land through medium dense timber.

Survey of the Subdivision of T. 13 S., R. 16 E.

Chains

By triangulation, asc. about 80 ft. along N. slope.

14.00 Approximate dist. to spur, projects N., desc. about 40 ft. over NW. slope.

17.00 Approximate dist. to draw, drains N., asc. about 240 ft. over broken NE. slope.

29.00 Approximate dist. to change of slope, thence along broken N. slope.

37.16 End triangulation.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam. 14 ins. in the ground and in a mound of stone to top, with brass cap mkd.

T13S R16E

S2

 $\frac{1}{4}$ S11

1961

Asc. 10 ft. along N. slope.

40.40 Top of ascent slopes N., desc. 30 ft. along N. slope.

46.40 Small draw, drains N., asc. 20 ft. over NE. slope.

51.10 Small spur, projects N., thence by triangulation, asc. about 440 ft. over broken NE. slope.

77.54 End triangulation.

78.20 Spur, projects N., desc. 20 ft. over NW. slope.

80.00 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam. 10 ins. in the ground and in a mound of stone $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T13S R16E

S 3 | S 2

S10 | S11

1961

Land, mountainous.

Soil, rocky loam.

Timber, medium dense pinon and juniper.

N. $0^{\circ} 20'$ W. bet. secs. 2 and 3.

Over mountainous land through medium dense timber.

By triangulation, desc. about 480 ft. over broken NW. slope.

18.50 Approximate dist. to canyon, drains SE., asc. about 560 ft. over broken S. slope.

37.40 End triangulation.

Page 4 of 80
June 1963

Survey of the Subdivision of T. 13 S., R. 16 E.

Chains

CHAINS

39.92 The cor. of secs. 2, 3, 34 and 35, monumented with a 2½ in. iron post set, mkd. and witnessed as described in the 1961 field notes of the S. bdy. of T. 12 S., R. 16 E.

Land, mountainous.

Soil, rocky loam.

Timber, medium dense pinon and juniper.

General Description

The east portion of Township 13 South, Range 16 East is mountainous land covered with medium to dense timber of pinon, juniper and pine. The area is drained in an easterly direction by numerous canyons and draws, and varies in elevation from 6,000 ft. to 7,200 ft. above sea level. No water was noted in this area. There were several unimproved roads in the area for the development of oil wells. The soil is rocky sandy loam, and loam. The roads are located on Cottonwood Ridge, Cedar Ridge, and one from Cedar Ridge through Jack Creek to Cottonwood Ridge.

Chains		Obtain
	<p>1. The first chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>2. The second chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>3. The third chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>4. The fourth chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>5. The fifth chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>6. The sixth chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>7. The seventh chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>8. The eighth chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>9. The ninth chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p> <p>10. The tenth chain is the one that is most common in the population. It is the one that is most likely to be found in the population. It is the one that is most likely to be found in the population.</p>	10.91

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day of **September**, 1960, I have supervised the survey of the east 2 miles of the south boundary, the east boundary and a portion of the subdivisional lines of township 13 south, range 16 east.

of the **Salt Lake** Meridian, in the State of **Utah**, which are represented in the foregoing field notes as having been executed ~~by me~~ under my ~~direction~~ ^{supervision}; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

August 22, 1963
(Date)

Craig P. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the survey of the east 2 miles of the south boundary and the east boundary and a portion of the subdivisional lines of township 13 south, range 16 east, Salt Lake Meridian, Utah

executed by **Fred R. Chappell and Glen B. Hatch - Cadastral Surveyors** under the supervision of **Craig P. Sylvester, Cadastral Surveyor** having been critically examined and found correct, are hereby approved.

DEC 3 1963
(Date)

E. L. Hemington
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

ORIGINAL

1964 JAN 23 AM 11 02 .1

FIELD NOTES

OF THE

RECEIVED
STATE & LAND OFFICE
SALT LAKE CITY, UTAH

DEPENDENT RESURVEY OF THE SOUTH 2 MILES

OF THE WEST BOUNDARY

THE SOUTH BOUNDARY OF SECTION 11

AND

THE SOUTH BOUNDARY OF SECTION 30

AND THE

SURVEY OF THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 14 SOUTH, RANGE 16 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Glen B. Hatch, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated September 28, 1960, which provided
for the surveys included under Group No. 446, approved October 5, 1960
and assignment instructions dated April 25, 1961

Survey commenced August 28, 1961

Survey completed September 25, 1961

INDEX DIAGRAM

Township 14 SOUTH, Range 16 EAST

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19	20	21	22	23	24	5
2 30 10	29	28	27	26	25	4
2 31	18 17 32 16	33	34	35	12 11 36	3

GPO 866110

Lines surveyed by Fred R. Chappell

Lines surveyed by Glen B. Hatch

Township 14 South, Range 16 East

Chains

The south boundary was surveyed by J. C. Clark and Robert C. Yundt from 1934 to 1942. The south two miles of the west boundary were surveyed by J. R. Stewart in 1902. The north four miles of the west boundary was retraced by Heist and Winwood in 1908. The west four miles of the north boundary and a portion of the subdivision were surveyed by Heist and Winwood in 1908.

The following field notes are those of the dependent resurvey of the south two miles of the west boundary, the south boundary of section 11 and the south boundary of section 30; and the survey of the east boundary and a portion of the subdivision of T. 14 S., R. 16 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with W. & L. E. Gurley solar transits Nos. 580158 and 541327 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U.S.G.S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of this survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 33' 23.963''$ N. and longitude $110^{\circ} 03' 50.428''$ W. as adjusted from traverses to U. S. G. S. triangulation stations, "Black Hill" and "Rock", located in section 9, T. 16 S., R. 16 E., and section 36, T. 12 S., R. 16 E., respectively.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 00'$ east.

Dependent Resurvey of the South 2 Miles of the West Boundary
of Township 14 South, Range 16 East

Reestablishment of the survey executed by J. R. Stewart in 1902.

330

Dependent Resurvey of the S. 2 Miles of the W. Bdy. of T. 14 S., R. 16 E.

Chains		marked
	Beginning at the cor. of Tps. 14 and 15 S., R. 15 and 16 E., marked by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.	
	N. 0° 49' W. bet. secs. 31 and 36.	
	Over steep, mountainous land through dense timber.	
	By triangulation, desc. about 1,680 ft. over steep rocky N. slope.	
33.00	Approximate dist. to bottom of Bear Canyon; drains irregularly E.; asc. about 640 ft. over broken SE. slope.	
39.53	Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36 at proportionate dist.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 4½ ft. base to top, with brass cap mkd.	
	T14S R15E R16E $\frac{1}{2}$ S36 S31 1961	
	No evidence of original cor. found.	
	Continue ascent, by triangulation.	
44.00	Approximate dist. to spur, projects SE.; asc. about 240 ft. along broken E. slope.	
55.00	Approximate dist. to draw, drains SE.; asc. about 960 ft. over broken SW. slope.	
74.50	Approximate dist. to spur, projects SE.; asc. about 80 ft. over SE. slope.	
79.06	The cor. of secs. 25, 30, 31 and 36 as determined from the remains of the original bearing trees.	
	At the cor. point	
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3½ ft. base to top, with brass cap mkd.	
	T14S R15E R16E S25 S30 S36 S31 1961	
	Land, mountainous, steep.	
	Soil, rocky loam.	
	Timber, dense pine, pinon and juniper.	
	N. 4° 43' E., bet. secs. 25 and 30.	
	Over mountainous land, through dense timber.	
	Asc. 170 ft. over SE. slope.	
7.50	Spur, projects nearly E.; desc. 1,230 ft. over NE. slope.	
40.84	Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 30 at proportionate dist. No remaining evidence of the original cor. found.	

Dependent Reserve of the S. 2 Miles of the W. Bdy. of T. 14 S., R. 16 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T14S
R15E R16E

$\frac{1}{4}$
S25 S30
1961

By triangulation, continue descent over NE. slope.

51.00 Approximate dist. to Rock Creek, with stream of clear water, 10 lks. wide, 6 ins. deep course, irregularly E.; asc. about 1,200 ft. over broken S. slope.

81.68 The cor. of secs. 19, 24, 25 and 30 monumented with a sandstone 3x13x20 plainly mkd., set, and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, $4\frac{1}{2}$ ft. base to top, with brass cap mkd.

T14S
R15E R16E
S24 S19
S25 S30
1961

Bury stone cor. alongside iron post.

Land, mountainous, broken.

Soil, rocky loam.

Timber, dense pinon and juniper.

Survey of the East Boundary of Township 14 South, Range 16 East

From the cor. of Tps. 14 and 15 S., Rs. 16 and 17 E., monumented with a 3 in. iron post, set, mkd. and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Over broken, mountainous land through scattered timber.

By triangulation, asc. about 880 ft. over sandstone ledges on steep SE. slope.

19.00 Approximate dist. to narrow, ledgy spur, projects irregularly S.; asc. about 480 ft. over steep SW. slope.

38.20 Ridge, bears NW. and SE. End triangulation.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground and in a collar of stone with brass cap mkd.

T14S
R16E R17E

$\frac{1}{4}$
S26 S31
1961

332

Survey of the E. Bdy. of T. 14 S., R. 16 E.

Chains	
	By triangulation, desc. about 560 ft. over steep NE. slope. Timber becomes medium dense.
52.50	Approximate dist. to draw, drains NE.; asc. about 240 ft. over rocky SE. slope.
66.80	Ledgy spur, projects NE. End triangulation. Desc. 620 ft. over steep N. slope.
79.10	Point selected for the witness cor. of secs. 25, 30, 31 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T14S R16E R17E S25 S30 S36 S31 W C 1961
80.00	Point for the cor. of secs. 25, 30, 31 and 36 falls on boulder where cor. cannot be monumented. Land, mountainous, broken. Soil, rocky, shallow loam. Timber, medium dense pinon and juniper.
	North, bet. secs. 25 and 30. Over mountainous land through medium timber. By triangulation, desc. about 1,040 ft. over steep N. slope.
21.00	Approximate dist. to Steer Ridge Canyon, drains irregularly E.; asc. about 400 ft. over steep SE. slope.
28.00	Approximate dist. to spur, projects E.; desc. about 280 ft. over NE. slope.
37.00	Approximate dist. to draw, drains SE.; asc. about 560 ft. over steep, ledgy S. slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30 falls on ledgy S. slope and cannot be monumented.
43.47	Point selected for the witness ¼ sec. cor. of secs. 25 and 30. At base of ledge, 50 ft. high, bears E. and W. Set an iron post 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T14S R16E R17E ¼ W C S25 S30 1961
	End triangulation. Asc. abruptly over sandstone ledge.

Survey of the E. Bdy. of T. 14 S., R. 16 E.

Chains

- 45.90 Spur, projects SE.; thence by triangulation, asc. about 80 ft. along sandstone ledges sloping E.
- 73.00 Approximate dist. to head of draw, drains SE.; asc. about 200 ft. over loose, rocky talus on steep S. slope.
- 80.00 Point for the cor. of secs. 19, 24, 25 and 30 falls on loose talus on steep S. slope where cor. is unsafe to monument.
- Land, mountainous, broken.
Soil, rocky, sandy clay and loam.
Timber, medium dense pinon and juniper.
- North, bet. secs. 19 and 24.
- Over broken land through medium timber.
- Continue on same triangulation; asc. about 1,800 ft. over ledges and loose talus on broken S. slope.
- 14.88 Point selected for the witness cor. of secs. 19, 24, 25 and 30.
- On a steep, broken S. slope about 900 ft. below ridge.
- Set an iron post, 2½ ins. diam., 30 ins. long, 4 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
- T14S
R16E R17E.
S24|S19
S25|S30
W C
1961
- 29.40 Ridge, bears irregularly E. and W. End triangulation; desc. 30 ft. over NE. slope.
- 34.90 Draw, drains NE.; asc. 70 ft. over SE. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 19 and 24.
- Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
- T14S
R16E R17E.
¼
S24|S19
1961
- Continue ascent.
- 49.70 Spur, projects E.; desc. 40 ft. over gentle N. slope.
- 55.70 Slope becomes steep; by triangulation, desc. about 560 ft. over steep N. slope.
- 70.50 Approximate dist. to draw, drains irregularly E.; asc. abruptly about 280 ft. over ledgy S. slope.
- 79.60 Top of ledge, 20 ft. high, bears E. and W. End triangulation.
- 80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Survey of the E. Bdy. of T. 14 S., R. 16 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid stone and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T14S

R16E R17E

S13|S18

S24|S19

1961

Land, mountainous.

Soil, rocky loam.

Timber, medium dense pinon and juniper, with dense patches of oak brush, and serviceberry bushes.

North, bet. secs. 13 and 18.

Over mountainous land through dense timber.

By triangulation, asc. about 400 ft. over SW. slope.

25.70 End triangulation on ridge, bears E. and W.; thence by triangulation desc. about 960 ft. over steep NW. slope through scattered timber and dense undergrowth of oak brush.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 13 and 18 falls on steep NW. slope in very dense oak brush and cannot be monumented.

43.40 Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 13 and 18.

At base of steep N. slope and in small clearing.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T14S

R16E R17E

 $\frac{1}{2}$

S13|S18

W.C.

1961

End one triangulation, beginning of another, continue descent.

68.00 Approximate dist. to canyon, drains NE; asc. about 400 ft. over rocky SE. slope.

79.03 End triangulation.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

On a steep, rocky SE. slope.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T14S

R16E R17E

S12|S 7

S13|S18

1961

Land, mountainous.

Soil, rocky loamy clay.

Timber, medium pinon and juniper, scattered pine.

Undergrowth, dense patches of Oak brush and serviceberry bushes.

Survey of the E. Bdy. of T. 14 S., R. 16 E.

Chains	
	North, bet. secs. 7 and 12.
	Over mountainous land through medium timber.
	By triangulation, asc. about 280 ft. over steep, rocky SE. slope.
7.40	Approximate dist. to spur, projects NE.; desc. about 240 ft. over NE. slope.
17.50	Approximate dist. to draw, drains irregularly E.; asc. about 400 ft. over steep S. slope.
34.90	Ridge, bears NE. and SW., end triangulation.
35.47	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 7 and 12.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T14S R16E R17E $\frac{1}{4}$ W C S12 S 7 1961
	Desc. 1,210 ft. over broken, steep NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 falls on ledgy NW. slope and is not monumented.
45.00	Slope changes, thence along rocky W. slope.
49.20	Slope changes; desc. over steep rocky NW. slope.
66.20	Rocky wash, 30 lks. wide, 3 ft. deep, drains W.; asc. 70 ft. over rocky SW. slope.
75.20	Spur, projects NW.; desc. 120 ft. over abrupt, broken N. slope.
77.05	Point selected for the witness cor. of secs. 1, 6, 7 and 12.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T14S R16E R17E W C S 1 S 6 S12 S 7 1961
80.00	Point for the cor. of secs. 1, 6, 7 and 12 falls on ledge sloping N. and cannot be monumented.
	Land, mountainous, broken.
	Soil, rocky loam.
	Timber, medium dense pinon and juniper.
	North, bet. secs. 1 and 6.
	Over broken land through medium timber.

Survey of the E. Bdy. of T. 14 S., R. 16 E.

Chains

- By triangulation, desc. about 720 ft. over ledgy, steep N. slope.
- 12.50 Approximate dist. to bottom of Flat Canyon, with stream of clear water, course NE.; asc. about 480 ft. over steep, ledgy S. slope.
- 25.00 Approximate dist. to spur, projects E.; desc. about 160 ft. over NE. slope.
- 32.50 Approximate dist. to draw, drains SE.; asc. about 80 ft. over rocky SE. slope.
- 34.50 End triangulation on spur, projects E.
- 34.52 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 6.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base, 3 ins. to top with brass cap mkd.
- T14S
R16E R17E
 $\frac{1}{4}$
W C
S 1 \uparrow S 6
1961
- By triangulation, desc. about 100 ft. over NE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6 falls in draw, drains SE. and cannot be perpetuated; asc. about 880 ft. over broken, ledgy SE. slope.
- 63.10 Spur, projects S. 40° E. End triangulation. Desc. 730 ft. over steep NE. slope.
- 79.07 Intersect the N. bdy. of the Tp.
- Point for the closing cor. of T. 14 S., Rs. 16 and 17 E.
- Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a collar of stone with brass cap mkd.
- T13S R16E
S36
S 1 \uparrow S 6
C C
T14S
R16E R17E
1961
- From this cor. the cor. of Tp. 13 S., Rs. 16 and 17 E., bears E., 4.09 chs. dist. and is an iron post, set, mkd. and witnessed as described in the field notes of the south boundary of T. 13 S., R. 16 E.
- Land, broken.
Soil, rocky, loamy clay.
Timber, medium dense pinon and juniper.

Dependent Resurvey of a Portion of the Subdivision of
Township 14 South, Range 16 East

Reestablishment of the survey executed by Heist and Winwood in 1908.

Dependent Resurvey of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains

From the cor. of secs. 11, 12, 13 and 14, monumented with a sandstone 5x8x16 ins. plainly mkd., firmly set, as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 2 ft. base, 3 ins. from top with brass cap mkd.

T14S R16E

S11 | S12

S14 | S13

1961

Bury stone cor. alongside iron post.

S. 89° 49' W., bet. secs. 11 and 14.

Over rolling land through dense timber.

Asc. 80 ft. over gentle NE. slope.

39.80 The ¼ sec. cor. of secs. 11 and 14, monumented with a limestone, 3x10x18 ins. firmly set and plainly mkd. as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base, 3 ins. from brass cap mkd.

T14S R16E

¼ S11
S14

1961

Bury stone cor. alongside iron post.

S. 89° 59' W., beginning new measurement.

Over rolling mountain top, through dense timber.

Asc. 40 ft. over gentle NE. slope.

10.20 Leave timber, bears N. and S., enter sagebrush.

15.20 Leave sagebrush, enter timber, bears N. and S.; desc. 20 ft. over gentle W. slope.

22.20 Leave timber, bears N. and S., enter burned off area.

35.90 Rim of Flat Canyon bears NE. and SW.; desc. 140 ft. over steep NW. slope.

40.13 The cor. of secs. 10, 11, 14 and 15, monumented with a limestone 4x6x12 ins. firmly set, plainly mkd. as described in the official record.

338

Dependent Summary of a Portion of the Subdivision of T. 10 S., R. 16

Chains

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base, 3 ins. from top with brass cap mkd.

T14S R16E

S10 | S11

S15 | S14

1961

Bury stone cor. alongside iron post.

Land, rolling mountain top.

Soil, loamy clay.

Timber, dense pinon and juniper on 62.00 chs. scattered on 18.00 chs.

From the cor. of secs. 29, 30, 31 and 32, monumented with a stone, set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, to top, with brass cap mkd.

T14S R16E

S30 | S29

S31 | S32

1961

Thence S. $89^{\circ} 39'$ W., bet. 30 and 31.

Over broken, mountainous land through dense timber.

By triangulation, asc. about 800 ft. over steep, ledgy SE. slope. Topography scaled from U. S. G. S. topographic sheets.

31.60 Spur, projects SE., end one triangulation, beginning of another. Desc. about 150 ft. over ledgy SE. slope.

39.90 Bottom of descent; asc. about 400 ft. over broken SE. slope.

40.00 Point for the N. $\frac{1}{4}$ sec. cor. of sec. 31 only.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid stone and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T14S R16E

 $\frac{1}{4}$ S31

1961

End triangulation.

41.06 Point for the original $\frac{1}{4}$ sec. cor. of secs. 30 and 31 at proportionate dist. No remaining evidence of the original cor. found. This cor. now functions as the S $\frac{1}{4}$ sec. cor. of sec. 30 only.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid stone and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T14S R16E

 $\frac{1}{4}$ S30

1961

Dependent Boundary of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains

By triangulation, continue ascent. Topography scaled from U. S. G. S. topographic sheets.

51.40 Spur, projects SE., thence along broken S. slope.

56.90 Draw, drains SE.; asc. about 240 ft. over ledgy E. slope.

64.40 Spur, projects SE.; thence along broken S. slope.

81.40 The cor. of secs. 25, 30, 31 and 36.

Land, mountainous, broken.

Soil, rocky, sandy loam.

Timber, medium dense pinon, juniper and pine.

Survey of a Portion of the Subdivision of Township 14 South, Range 16 East

From the cor. of secs. 1, 2, 35 and 36 on the south bdy. of the Tp., monumented with an iron post, set, mkd. and witnessed as described in the official record.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken land through medium timber.

By triangulation, asc. about 400 ft. over steep, ledgy SW. slope.

11.00 Approximate dist. to spur, projects W.; asc. about 80 ft. along broken W. slope.

25.00 Approximate dist. to change of slope; asc. about 1,600 ft. over broken SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36 falls on inaccessible SW. slope, and cannot be monumented.

53.57 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top of post with brass cap mkd.

T14S R16E

$\frac{1}{4}$

S35/S36

W C

1961

54.70 End triangulation.

63.00 Ridge, bears N. 30° W. and S. 30° E.; desc. 660 ft. over steep NE. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, to top, with brass cap mkd.

T14S R16E

S26/S25

S35/S36

1961

340

Survey of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains

Land, broken.
Soil, rocky loam.
Timber, medium pinon and juniper.

From the true point for cor. of secs. 25, 30, 31 and 36, from which it's witness cor. bears S. 0.90 chs., previously described in these field notes.

N. 89° 51' W., bet. secs. 25 and 36.

Over broken land through dense timber.

By triangulation, asc. about 80 ft. along N. slope.

6.00 Approximate dist. to spur, projects N.; desc. about 480 ft. over steep, rocky NW. slope.

17.00 Approximate dist. to draw, drains N.; asc. about 720 ft. over broken NE. slope.

32.10 End triangulation on spur, projects NE., thence along broken N. slope.

40.02 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 4 ins. in the ground, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T14S R16E

$\frac{1}{4}$ S25
S36
1961

Continue along broken N. slope.

By triangulation.

58.50 Approximate dist. to spur, projects N.; desc. about 80 ft. over NW. slope.

65.00 Approximate dist. to draw, drains NE.; asc. about 500 ft. over steep NE. slope.

80.04 The cor. of secs. 25, 26, 35 and 36.

Land, broken.
Soil, rocky sandy loam.
Timber, medium dense pinon and juniper.

From the cor. of secs. 11, 12, 13 and 14.

N. 0° 01' W., bet. secs. 11 and 12.

Over broken mountainous land through medium timber.

By triangulation, desc. about 20 ft. over gentle N. slope.

14.00 Approximate dist. to south rim of Flat Canyon, bears E. and W.; desc. about 1,200 ft. over steep, ledgy N. slope.

341

Survey of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains	
36.40	Approximate dist. to draw, drains NE.; desc. about 120 ft. along broken E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 11 and 12 falls on ledge sloping E. and cannot be perpetuated.
42.85	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 11 and 12. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T14S R16E $\frac{1}{4}$ S11 S12 W C 1961 End one triangulation, beginning of another, continue along E. slope.
58.40	Approximate dist. to spur, projects NE.; desc. about 560 ft. over ledgy N. slope.
69.40	Approximate dist. to Flat Canyon, with stream of clear water, 5 lks. wide, 2 ins. deep, course E.; asc. about 400 ft. over ledges on steep S. slope.
79.14	Point selected for the witness cor. of secs. 1, 2, 11 and 12. At base of ledge 30 ft. high, bears E. and W. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid stone and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T14S R16E W C S2 S1 S11 S12 1961
80.00	Point for the cor. of secs. 1, 2, 11 and 12 falls on ledge sloping south and cannot be monumented. Land, broken. Soil, rocky loam. Timber, medium dense pinon and juniper.
	N. $0^{\circ} 17'$ E., bet. secs. 1 and 2. Over broken, mountainous land through scattered timber. By triangulation, asc. abruptly about 1,200 ft. over ledges on steep S. slope.
26.60	N. rim of Flat Canyon, bears E. and W. End triangulation; thence over rolling mountain top through dense timber. Asc. 20 ft. over gentle SE. slope.
27.90	Top of ascent, slopes E.; desc. 30 ft. over gentle NE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

342

Survey of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, 4 ins. from top, with brass cap mkd.

T14S R16E

 $\frac{1}{4}$
S 2 | S 1
1961

By triangulation, over rolling land through dense timber.

64.40 Desc. 100 ft. over gentle N. slope.

78.37 The cor. of secs. 1, 2, 35 and 36, monumented with an iron post, set, mkd. and witnessed as described in the field notes of the south boundary of Township 13 South, Range 16 East.

Land, broken on 25.00 chs., rolling on 55.00 chs.

Soil, rocky loam.

Timber, scattered on 25.00 chs., dense pinon and juniper on 55.00 chs.

From the cor. of secs. 10, 11, 14 and 15.

N. $0^{\circ} 01'$ W., bet. secs. 10 and 11.

Over broken mountainous land through scattered timber.

By triangulation, desc. about 560 ft. over steep, rocky NW. slope.

20.00 Approximate dist. to rocky draw, drains NW.; asc. about 100 ft. over rocky SW. slope.

29.60 End triangulation on spur, projects NW.; desc. about 1,440 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 10 and 11.

On a steep, rocky N. slope 540 ft. below spur.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 4 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base, 4 ins. from top, with brass cap mkd.

T14S R16E

 $\frac{1}{4}$
S10 | S11
1961

By triangulation, continue descent.

40.20 Wash, 20 lks. wide, 2 ft. deep, drains NW.

62.00 Approximate dist. to Flat Canyon, with stream of clear water, 3 lks. wide, 2 ins. deep, course E.; asc. about 400 ft. over sandstone ledges on S. slope.

72.00 Approximate dist. to spur, projects SE.; desc. about 80 ft. along E. slope.

78.00 Approximate dist. to draw, drains SE., water, 1 lk. wide, 1 in. deep; asc. about 50 ft. over SE. slope.

79.22 Point selected for the witness cor. of secs. 2, 3, 10 and 11.

Survey of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains	
	<p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T14S R16E $\begin{array}{c} S\ 3\ S\ 2 \\ S10\ S11 \\ W\ C \\ 1961 \end{array}$</p>
80.00	<p>Point for the cor. of secs. 2, 3, 10 and 11 falls on rock slide and is unsafe to monument.</p> <p>Land, broken, mountainous. Timber, scattered to medium pinon and juniper. Soil, rocky loam.</p>
	<p>From the true point of secs. 1, 2, 11 and 12 from which its witness cor. bears S. $0^{\circ} 01'$ E., 0.86 chs.</p> <p>S. $89^{\circ} 59'$ W., bet. secs. 2 and 11.</p> <p>Over broken land through scattered timber.</p> <p>By triangulation, along broken ledges on steep, broken S. slope.</p>
5.00	Approximate dist. to spur, projects SW.; desc. about 560 ft. over ledgy SW. slope.
14.50	Approximate dist. to draw, drains S.; asc. about 720 ft. over ledgy NE. slope.
29.00	Approximate dist. to spur, projects SE.; asc. about 240 ft. along ledges on broken S. slope.
40.01	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. End triangulation.</p> <p>At base of ledge 100 ft. high, bears E. and W.</p> <p>Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T14S R16E $\begin{array}{c} \frac{1}{4}\ S\ 2 \\ S11 \\ 1961 \end{array}$</p>
	By triangulation continue along broken S. slope.
47.50	Approximate dist. to spur, projects SE.; desc. about 40 ft. over SW. slope.
51.00	Approximate dist. to draw, drains S.; asc. about 160 ft. over ledgy SE. slope.
56.00	Approximate dist. to spur, projects S.; desc. about 140 ft. over SW. slope.
59.00	Approximate dist. to draw, drains S.; thence along broken S. slope.
66.00	Approximate dist. to spur, projects SW.; desc. about 560 ft. over abrupt and broken W. slope.
74.00	Approximate dist. to draw, drains S.; asc. about 200 ft. over abrupt SE. slope.

Survey of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains

- 77.50 Approximate dist. to spur, projects S.; asc. about 80 ft. over SE. slope.
- 80.02 The cor. of secs. 2, 3, 10 and 11.
Land, broken.
Soil, mostly solid sandstone.
Timber, widely scattered scrub pinon and juniper.
-
- N. 0° 19' E., bet. secs. 2 and 3.
Over broken land through scattered timber.
By triangulation, asc. about 560 ft. over ledgy, broken S. slope.
- 9.00 Approximate dist. to spur, projects SE.; asc. about 640 ft. over ledgy SE. slope.
- 28.00 Approximate dist. to N. rim of Flat Canyon, bears irregularly E. and W.; asc. about 100 ft. over gentle SE. slope, enter dense timber.
- 38.10 End triangulation on spur, projects SE.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
T14S R16E
 $\frac{1}{4}$
S 3 | S 2
1961
By triangulation, desc. about 300 ft. over steep NE. slope.
- 63.80 Approximate dist. to draw, drains NE.; asc. about 80 ft. over SE. slope.
- 70.40 End triangulation, on top of ledge, 10 ft. high bears NE. and SW., desc. 10 ft. over gentle NE. slope.
- 78.30 The cor. of secs. 2, 3, 34 and 35, monumented with an iron post, set, mkd. and witnessed as described in the field notes of the south boundary of T. 13 S., R. 16 E.
Land, broken on 30.00 chs.; mountainous on 50.00 chs.
Soil, rocky loam.
Timber, scattered scrub pinon and juniper on 30.00 chs.; dense pinon and juniper, scattered pine on 50.00 chs.
-
- From the cor. of secs. 4, 5, 32 and 33 on the south boundary of the township, monumented with a 2 in. iron post, set, mkd. and witnessed as described in the official record.
N. 0° 03' W., bet. secs. 32 and 33.
Over broken mountainous land through medium timber.
By triangulation, desc. about 240 ft. over steep, rocky N. slope.

Survey of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains

- 6.00 Approximate dist. to Buckskin Canyon, with stream of clear water, 4 lks. wide, 2 ins. deep, course E., asc. about 1,000 ft. over ledgy, steep SE. slope.
- 22.20 End triangulation on narrow finger of sandstone 50 ft. high, bears SE. and NW., thence by triangulation; desc. about 240 ft. over ledgy NE. slope.
- 28.00 Approximate dist. to draw, drains irregularly E.; asc. about 320 ft. over ledgy, steep SE. slope.
- 34.50 End triangulation on spur, projects E.; thence along broken E. slope.
- 37.30 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
- On a spur, projects NE.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T14S R16E
 $\frac{1}{4}$
W C
S32↑S33
1961
- By triangulation, desc. about 560 ft. over broken NE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33 falls on inaccessible NE. slope, and cannot be monumented.
- 49.00 Approximate dist. to draw, drains NE.; asc. about 150 ft. over SE. slope.
- 54.00 Approximate dist. to spur, projects NE.; desc. about 700 ft. over steep, ledgy NW. slope.
- 67.50 Approximate dist. to Rock Creek, with stream of water, 10 lks. wide, 6 in. deep, course, SE.; asc. about 400 ft. over SW. slope.
- 80.00 Point for the cor. of secs. 28, 29, 32 and 33.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top with brass cap mkd.
- T14S R16E
S29|S28
S32|S33
1961
- Cor. situated on steep SW. slope on N. side of large boulder.
- Land, broken, mountainous.
Soil, rocky, shallow loam.
Timber, medium pinon and juniper, scattered pine.
- From the cor. of secs. 5, 6, 31 and 32 on the south boundary of the township, monumented with a 2 in. iron post, set, mkd. and witnessed as described in the official record.
- N. $0^{\circ} 08'$ E., bet. secs. 31 and 32.
- Over broken mountainous land through dense timber.

Survey of a Portion of the Subdivision of T. 14 S., R. 16 E.

Chains

Asc. 530 ft. over ledgy, broken S. slope.

2.00 N. rim of Buckskin Canyon, bears E. and W.; continue ascent.

13.30 Buckskin Ridge, bears irregularly E. and W.; thence across top.

17.30 S. rim of Bear Canyon, bears irregularly E. and W.; thence by triangulation, desc. about 2,320 ft. over steep, broken, ledgy N. slope.

39.80 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 falls on inaccessible ledges and is not monumented.

68.10 Approximate dist. to Bear Canyon, drains irregularly E.; asc. about 550 ft. over broken, ledgy SE. slope.

79.60 The cor. of secs. 29, 30, 31 and 32.

Land, broken, steep.

Soil, rocky loam.

Timber, dense pine, pinon and juniper.

From the cor. of secs. 28, 29, 32 and 33.

S. $89^{\circ} 42'$ W., bet. secs. 29 and 32.

Over broken land through medium timber.

By triangulation, desc. about 350 ft. over steep SW. slope.

9.00 Approximate dist. to Rock Creek, with stream of water 10 lks. wide, 6 ins. deep, course SE.; asc. about 80 ft. over NE. slope.

13.00 Approximate dist. to spur, projects SE.; desc. about 160 ft. along S. slope.

23.00 Approximate dist. to Bear Canyon, drains SE. from SW.; asc. about 800 ft. along broken, ledgy S. slope.

39.90 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32. End triangulation.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T14S R16E

$\frac{1}{4}$ S29

S32

1961

By triangulation, continue along ascent of S. slope.

79.80 The cor. of secs. 29, 30, 31 and 32.

Land, broken.

Soil, rocky, sandy loam.

Timber, medium pinon, juniper and pine.

General Description

The land in Township 14 South, Range 16 East, is rough, broken and mountainous covered with scattered to dense pine, pinon and juniper timber, with patches of oak undergrowth. Elevations vary from 5,200 ft. in the southeast corner to 8,600 ft. along the west

Township 14 South, Range 16 East

Chains

boundary.

The southern part of the township is drained in a southeasterly direction by Buckskin Canyon, Bear Canyon, Rock Creek, and Steer Ridge Canyon. There is a good stream of water in Rock Creek, and a smaller stream in Buckskin Canyon. The northern part of the township is drained by Summerhouse Canyon, Flat Canyon, and Cedar Corral Canyon. There is a stream of water in Flat Canyon. Steer Ridge divides the township and projects east through the center.

The only road in the area is along Steer Ridge through sections 19, 20, 21 and 22. Soil is mostly rocky, shallow, sandy loam.

[illegible]

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that,
in pursuance of special instructions bearing date of the 28th day of **September**, 19 **60**,
I have supervised the dependent resurvey of the south 2 miles of the west
boundary, the south boundary of section 11, and the south boundary of
section 30 and survey of the east boundary and a portion of the subdivision
of Township 14 South, Range 16 East.

of the **Salt Lake** Meridian, in the State of **Utah**, which
are represented in the foregoing field notes as having been executed by ~~himself~~ under my ~~direction~~ ^{Supervision};
and that said survey has been made in strict conformity with said special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

August 22, 1963
(Date)

Craig P. Sylvester
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the dependent resurvey of the south 2 miles of the
west boundary, the south boundary of section 11, and the south boundary
of section 30, and the survey of the east boundary and a portion of the
subdivision of Township 14 South, Range 16 East, Salt Lake Meridian, Utah.

executed by **Fred R. Chappell and Glen B. Hatch - Cadastral Surveyors**, under
the supervision of **Craig P. Sylvester - Cadastral Surveyor**
having been critically examined and found correct, are hereby approved.

DEC 3 1963
(Date)

E. E. Remington
(Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

351

ORIGINAL

1964 JAN 23 AM 11 02 3

FIELD NOTES

OF THE

RECEIVED
STATE & LAND OFFICE
SALT LAKE CITY, UTAH

SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 15 SOUTH, RANGE 16 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Craig P. Sylvester, Cadastral Surveyor, (Chief of Party)

Under special instructions dated September 28, 1960, which provided
for the surveys included under Group No. 446, approved October 5, 1960
and assignment instructions dated April 25, 1961

Survey commenced August 22, 1961

Survey completed August 28, 1961

INDEX DIAGRAM

Township 15 SOUTH, Range 16 EAST

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31	32	33	34	35	36

Township 15 South, Range 16 East

Chains

A portion of the south boundary (Third Standard Parallel South) was retraced by H. D. Heist in 1903. A portion of the west boundary was resurveyed by H. D. Heist in 1903. A portion of the subdivisional lines was surveyed by H. D. Heist in 1903. A portion of the south boundary (Third Standard Parallel South), the east boundary, the north boundary and a portion of the west boundary and a portion of the subdivisional lines was surveyed by J. C. Clark and Robert C. Yundt from 1934 to 1942.

The following field notes are those of the survey of a portion of the subdivisional lines of T. 15 S., R. 16 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 541327 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of section 16 is at latitude $39^{\circ} 30' 45.90''$ N. and longitude $110^{\circ} 07' 12.86''$ W. as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° East.

Survey of the Subdivision of T. 15 S., R. 16 E.

Beginning at the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp., which is a 2 in. iron post, set, mkd. and witnessed as described in the official record.

Survey of the Subdivision of T. 15 S., R. 16 E.

C. 12.22

S. 0° 01' E. bet. secs. 2 and 3.

Over broken land through dense timber.

Asc. about 1,440 ft. over abrupt, broken NE. slope.

18.63 Begin triangulation, over broken land through dense timber.

39.64 End triangulation.

42.41 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post 30 ins. long, $2\frac{1}{4}$ ins. in diam., 8 ins. in the ground and in a mound of stone $3\frac{1}{4}$ ft. base to top of post, with brass cap mkd.

T15S R16E

 $\frac{1}{4}$

S3|S2

1961

Cor. located on a steep, broken NE. slope about 950 ft. above Rock Creek.

Continue ascent by triangulation.

53.30 Spur, projects E., end one triangulation, beginning of another. Desc. about 1,040 ft. over abrupt, broken S. slope.

74.00 Approximate dist. to small draw, drains SE., asc. about 80 ft. along E. slope.

82.40 Spur, projects S. 10° E., end triangulation.

82.41 Point for the cor. of secs. 2, 3, 10 and 11 at a calculated dist.

Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 14 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T15S R16E

S3|S2

S10|S11

1961

Land, broken.

Soil, rocky loam.

Timber, dense pinon and juniper and pine.

S. 89° 56' E., on a calculated course, bet. secs. 2 and 11.

Over broken land through dense timber.

By triangulation, desc. about 320 ft. over broken E. slope. Topography scaled from U. S. G. S. topographic sheets.

6.50 Small draw, drains SE., asc. about 240 ft. over broken SW. slope.

29.00 Spur, projects SE., desc. about 480 ft. over broken SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Survey of the Subdivision of T. 15 S., R. 16 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T15S R16E

S 2

S11

1961

End triangulation.

Desc. 280 ft. over SE. slope.

Left fork Rock Creek, drains NE.

Left fork Rock Creek, 60 lks. wide, 5 ft. deep, drains irregularly E.; continue descent.

Bottom of descent, asc. 70 ft. over SW. slope.

Left fork Rock Creek, drains irregularly E.

Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, with brass cap mkd.

T15S R16E

S2 | S1

S11 | S12

1961

Land, broken.

Soil, rocky loam.

Timber, dense pinon and juniper.

N. $0^{\circ} 04'$ W. bet. secs. 1 and 2.

Over broken land through dense timber.

By triangulation, asc. about 240 ft. over broken S. slope.
Topography scaled from U. S. G. S. topographic sheets.

Spur, projects SE., asc. about 100 ft. along broken E. slope.

Draw, drains SE., asc. 720 ft. over abrupt, broken S. slope.

Spur, projects E.; end triangulation.

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock; and in a mound of stone 4 ft. base to top, with brass cap mkd.

T15S R16E

 $\frac{1}{4}$

S2 | S1

W C

1961

By triangulation, desc. about 640 ft. over broken N. slope.
Topography scaled from U. S. G. S. topographic sheets.

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2 falls on ledgy N. slope and cannot be perpetuated.

Survey of the Subdivision of T. 15 S., R. 16 E.

Chains

- 53.00 Base of steep, broken N. slope, thence across canyon bottom.
- 62.00 Rock Creek, with stream of clear water, 5 lks. wide, 2 lks. deep, flows SE., asc. abruptly about 640 ft. over ledgy, broken SW. slope.
- 82.34 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., monumented with a 2 in. iron post, set, mkd. and witnessed as described in the official record.
- Land, broken, mountainous.
Soil, rocky sandy loam, with exposed sandstone.
Timber, dense pinon, juniper and pine.
-
- From the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, monumented with an iron post set, mkd. and witnessed as described in the official record.
- N. $0^{\circ} 02'$ W. bet. secs. 15 and 16.
- Over rugged, broken land through dense timber.
- By triangulation, desc. about 520 ft. over steep NW. slope.
- 10.00 Approximate dist. to draw, drains NW., thence along broken W. slope.
- 27.00 Approximate dist. to spur, projects NW., desc. about 720 ft. over broken N. slope.
- 40.00 Point for the cor. of secs. 9, 10, 15 and 16.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 6 ins. in the ground and in a mound of stone 4 ft. base to top of post with brass cap mkd.
- | | |
|-----------|-----|
| T15S R16E | |
| S 9 | S10 |
| S16 | S15 |
| 1961 | |
- Land, rugged, broken.
Soil, rocky loam.
Timber, dense pinon and pine, scattered aspen.
-
- N. $89^{\circ} 55'$ W. bet. secs. 9 and 16.
- Over broken land, through dense timber.
- By triangulation, desc. about 640 ft. over steep, broken NW. slope.
- 17.00 Approximate dist., leave timber, bears NE. and SW., enter sage-brush in bottom of Left Fork of Rock Creek.
- 28.00 Approximate dist. to Left Fork of Rock Creek, with stream of clear water, 5 lks. wide, 2 ins. deep, drains NE.
- 30.00 Approximate dist., enter dense timber, bears NE. and SW.; asc. about 200 ft. over E. slope.
- 34.50 Spur, projects S., end triangulation. Desc. 80 ft. over SE. slope.
- 39.88 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Survey of the Subdivision of T. 15 S., R. 16 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 4 ins. in the ground and in a mound of stone 4 ft. base to top of post with brass cap mkd.

T15S R16E
 $\frac{S\ 9}{S16}$
 1961

By triangulation.

40.00 Draw, drains SE., asc. about 900 ft. over rugged, broken NE. slope.

57.00 Approximate dist. to spur, projects SE., asc. about 400 ft. along broken S. slope.

79.76 True point for the cor. of secs. 8, 9, 16 and 17.

From which, its witness cor. bears S. $0^{\circ} 03'$ E. 9.03 chs., and is monumented with an iron post, set, mkd. and witnessed as described in the official record.

Land, broken rugged and steep.

Soil, rocky loam.

Timber, dense pinon, juniper and pine on slopes.

Undergrowth, dense sagebrush, service berry and oak.

General Description

The land in sections 2 and 16, Township 15 South, Range 16 East, is broken, rugged and mountainous, covered with dense timber, except in the bottom of Rock Creek, and the Left Fork of Rock Creek. The elevation varies from 5,200 ft. to 7,200 ft. above sea level. The soil is rocky loam. There is water in Rock Creek, and the Left Fork of Rock Creek.

0000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that,
 in pursuance of special instructions bearing date of the **28th** day of **September**, 1960,
 I have supervised the survey of a portion of the subdivision of Township 15
 South, Range 16 East

of the **Salt Lake** Meridian, in the State of **Utah**, which
 are represented in the foregoing field notes as having been executed ~~by me~~ under my ~~direction~~ ^{supervision}
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

Salt Lake City, Utah
 (Date)

Craig P. Sylvester
 (Cadastral Surveyor)

February 28, 1962
 (Date)

Craig P. Sylvester, Cadastral Surveyor
 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the survey of a portion of the subdivision of Township
 15 South, Range 16 East, Salt Lake Meridian, Utah,

executed by **Fred R. Chappell, Cadastral Surveyor**, under the supervision of
Craig P. Sylvester, Cadastral Surveyor,
 having been critically examined and found correct, are hereby approved.

DEC 3 1963
 (Date)

E. E. Lemington
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 _____ is a true copy of the original field notes.

 (Date)

 (Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT
1964 JAN 23 AM 11 02.4

FIELD NOTES

RECEIVED
STATE & LAND
CIVIL ENGINEERING

OF THE

SURVEY

OF THE EAST BOUNDARY

AND A

PORTION OF THE SOUTH BOUNDARY

AND A

PORTION OF THE SUBDIVISION

THE

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF SECTION 4

OF

TOWNSHIP 16 SOUTH, RANGE 16 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated September 28, 1960, which provided
for the surveys included under Group No. 446, approved October 5, 1960
and assignment instructions dated April 25, 1961

Survey commenced July 24, 1961

Survey completed August 24, 1961

SECTION 1

INDEX DIAGRAM

Township 16 SOUTH, Range 16 EAST

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GPO 866110

Dependent Resurvey ——— Fred R. Chappell

Original Lines ——— Fred R. Chappell

Township 16 South, Range 16 East

Chains

The west 2 miles of the south boundary, the west boundary, the west 3 miles of the north boundary, (Third Standard Parallel South), and the boundaries of sections 4, 5, 6, 7, 18, 19, 29, 30, 31 and 32 were surveyed by Harvey D. Heist in 1903. In 1914 Ralph Gentry retraced the west 2 miles of the south boundary and surveyed the south boundary between sections 4 and 33 and 3 and 34. The east 3 miles of the north boundary (Third Standard Parallel South), were surveyed by J. C. Clark and Robert C. Yundt in 1934 to 1942.

The following field notes are those of the dependent resurvey of the east boundary of section 4. The survey of the east two miles of the south boundary, the east boundary and a portion of the subdivision of T. 16 S., R. 16 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with a W. & L. E. Gurley Transit No. 541327. It is equipped with full vertical circle and improved Smithtype telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of this survey.

The direction of the lines of survey were determined by the solar transit method.

Corners on the east-west lines were set on the true latitudinal curve. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

Measurements were made with a narrow steel tape, 8 chains in length graduated every link for the first 100 links and the remainder at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found to be correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible; otherwise by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is at latitude $39^{\circ} 22' 58.05''$ N. and longitude $110^{\circ} 04' 33.44''$ W. as determined by section line ties made to U. S. G. & G. S. Triangulation Station "Black Hill" situated in section 9, T. 16 S., R. 16 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 16° east.

Survey of a Portion of the South Boundary of
Township 16 South, Range 16 East

From the true point for the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of T. 16 S., R. 16 E., from which its witness cor., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record, bears S. 1.25 chs. dist.

Survey of a Portion of the S. E. of T. 16 S., R. 16 E.

Chains		added
	East bet. secs. 2 and 35. Over badly broken mountain land, by triangulation, with topography as scaled from U. S. G. S. topographic sheets. Desc. 320 ft. over a broken SE. slope. Bottom of canyon, drains S. 10° W., asc. 800 ft. over a broken NW. slope.	
9.50		
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35, falls on a ledgy NW. talus slope where the cor. cannot be perpetuated. Asc. 400 ft. over a broken NW. slope.	
47.00	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 35, on top of a high spur, projecting S. 20° W. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.	
	$\begin{array}{c} \text{T16S R16E} \\ \frac{1}{4} \text{ W } \leftarrow \text{S } 35 \\ \text{C } \leftarrow \text{S } 20 \\ \text{T17S} \\ 1961 \end{array}$	
	Thence by chaining. Desc. 575 ft. along a broken SE. slope, through medium dense timber.	
80.00	Point for the cor. of secs. 1, 2, 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.	
	$\begin{array}{c} \text{T16S R16E} \\ \text{S35 S36} \\ \text{S } 2 \text{ S } 1 \\ \text{T17S} \\ 1961 \end{array}$	
	Land, mountainous. Soil, rocky clay, with a considerable amount of exposed sandstone. Timber, scattered to medium dense juniper and pinon. Undergrowth, scattered sagebrush, shadscale and grass.	
	East bet. secs. 1 and 36. Over badly broken mountain land, through medium timber, by triangulation, Desc. 60 ft. over a SE. slope.	
2.00	Canyon drains, SW. asc. 1580 ft. over a ledgy W. slope.	
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, falls on an inaccessible slope of canyon. Asc. 240 ft. over a ledgy west slope.	

Survey of a Portion of the E. Side of T. 16 S., R. 16 E.

Chains

44.38

Point selected for the witness & sec. cor. of secs. 1 and 36, and top of a high sandstone ridge, bears N. 35° E. and S. 35° W.

On top of a 5 ft. wide sandstone ledge, over a cross (x) cut in solid rock, set an iron post, 30 ins. long, 2½ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R16E

← S 36
S 1
W C
T17S
1961

Desc. 800 ft. over a broken SW. changing to a S. slope, through medium dense timber.

80.00

Point for the cor. of Tps. 16 and 17 S., Rs. 16 and 17 E., falls on a ledgy S. slope of Rain Canyon., where the cor. cannot be perpetuated., therefore at a point 3.72 chs. N., on top of a high spur, projecting E.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S

R16E R17E

S36|S31
S 1 S 6
T17S
W C
1961

Land, badly broken; mountainous.

Soil, rocky clay with a considerable amount of exposed sandstone.

Timber, medium juniper and pinon the first ¼ mile, medium dense juniper, pinon and spruce the balance.

Undergrowth, scattered oakbrush, serviceberry and maple.

Survey of the East Boundary of Township 16 South, Range 16 East

From the true point for the cor. of Tps. 16 and 17 S., Rs. 16 and 17 E.

North between secs. 31 and 36.

Over broken, mountainous land, through medium dense timber; asc. 240 ft. over a ledgy S. slope.

3.72

The witness cor. of Tps. 16 and 17 S., Rs. 16 and 17 E., monumented by an iron post 2½ ins. diam., hereinbefore described. Cor. is set on top of a high spur, projecting E.

Thence by triangulation.

Desc. 640 ft. over a broken N. slope.

18.00

Joe Hatch Canyon, drains NE.; asc. 400 ft. along a broken SE. slope.

Survey of the E. Ry. of T. 16 S., R. 16 E.

Chains	antid
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36, falls on inaccessible slopes of canyon, asc. 360 ft. over ledges facing SE.
42.99	<p>Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 36.</p> <p>On top of spur, projecting NE., and over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., in a mound of stone 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;"> T16S R16E R17E * S36 S31 W C 1961 </p> <p>Desc. 1400 ft. over a ledgy N. slope.</p>
79.65	<p>Point selected for the witness cor. of secs. 25, 30, 31, and 36.</p> <p>Over a cross (x) cut in solid rock, set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;"> T16S R16E R17E S25 S30 S36 S31 W C 1961 </p> <p>Desc. 60 ft. over ledges,</p>
80.00	<p>Point for the cor. of secs. 25, 30, 31 and 36, falls on the slope of a ledge where the cor. cannot be perpetuated.</p> <p>Land, badly broken; mountainous.</p> <p>Soil, rocky clay loam, with a considerable amount of exposed sandstone.</p> <p>Timber, medium juniper, pinon, fir and spruce.</p> <p>Undergrowth, scattered serviceberry, oak and maple.</p>
	<p>North, bet. secs. 25 and 30.</p> <p>Over broken, mountainous land, through medium timber.</p> <p>Desc. 340 ft. over a broken N. slope, by triangulation.</p>
13.00	Fork of Big Canyon, drains NE.; asc. 720 ft. over a SE. slope.
30.50	<p>Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 30.</p> <p>On top of a spur, projecting NE., over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., in a mound of stone 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;"> T16S R16E R17E * S25 S30 W C 1961 </p>

Survey of the E. Bdy. of T. 16 S., R. 16 E.

Chains

Desc. 360 ft. over a ledgy NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30 falls on a ledgy N. slope, where the cor. cannot be perpetuated.

Desc. 420 ft. over a broken N. slope.

53.00 Fork of Big Canyon drains, E.; asc. 480 ft. over a ledgy SE. slope.

62.50 Spur, projects S, 70° E., thence by chaining; desc. 400 ft. over a broken NE. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd,

T16S
R16E R17E
S24|S19
S25|S30
1961

Land, broken, mountainous.

Soil, rocky, clay loam, with numerous sandstone outcrops.

Timber, medium juniper, pinon, fir spruce.

Undergrowth, scattered serviceberry, wild apple, maple and mountain rush.

North between secs. 19 and 24.

Over broken, mountainous land, through medium timber.

Desc. 40 ft. over a NE. slope.

3.50 Fork of Big Canyon, drains SE.; asc. 580 ft. over a S. slope.

27.70 Spur, projects SW.; desc. 40 ft. along a W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S
R16E R17E
S24|S19
1961

Thence by triangulation; asc. 1440 ft. over a badly broken S. slope.

67.70 Point selected for the witness cor. of secs. 13, 18, 19 and 24.

On top of narrow spur, projecting S. 30° W., over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, 2½ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd.

Survey of the R. Ry. 305 T. 16 S. R. 16 E.

Chains		60.00
	<p>T16S R16E R17E S13 S18 S24 S19 W C 1961</p> <p>Thence along a badly broken W. slope.</p>	60.00
80.00	<p>Point for the cor. of secs. 13, 18, 19 and 24 falls on a ledgy W. slope where the cor. cannot be perpetuated.</p> <p>Land, badly broken; mountainous. Soil, rocky, clay loam, with a considerable amount of exposed sandstone. Timber, medium juniper, pinon and fir. Undergrowth, scattered serviceberry, wild apple and maple.</p>	60.00
	<p>North, bet. secs. 13 and 18.</p> <p>Over broken, mountainous land, through medium timber.</p> <p>Thence by triangulation, asc. 280 ft. over a W. changing to SW. slope</p>	
12.30	<p>Spur, projects S. 30° E., thence by chaining, desc. 365 ft. along an E. slope.</p>	
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p>	
	<p>T16S R16E R17E $\frac{1}{4}$ S13 S18 1961</p> <p>Asc. 140 ft. over a SE. slope.</p>	00.00
46.20	<p>Spur, projects NE.; desc. 1055 ft. over a badly broken N. changing to NW. slope.</p>	00.00
80.00	<p>Point for the cor. of secs. 7, 12, 13 and 18.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p>	00.00
	<p>T16S R16E R17E S12 S 7 S13 S18 1961</p> <p>Land, broken; mountainous. Soil, rocky, clay loam, with sandstone ledges. Timber, medium dense juniper, pinon, fir and spruce. Undergrowth, medium oak, serviceberry, wild apple and maple.</p>	00.00

Survey of the E. Bdy. of T. 16 S., R. 16 E.

Chains

North bet. secs. 7 and 12.

Over rough mountainous land, through medium timber and undergrowth.

Desc. 915 ft. over a NW. slope.

28.00 Draw, drains N. 20° E.; thence along E. slope.

34.80 Bottom of Trail Canyon, (drains E.; asc. 100 ft. over a S. slope.

36.00 Point for the witness $\frac{1}{2}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S

R16E R17E

 $\frac{1}{2}$

S12 S 7

W C

1961

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 7 and 12 falls on inaccessible E. slope and cannot be perpetuated.

Thence by triangulation asc. 1200 ft. over a badly broken E. changing to S. slope.

78.98 Point selected for the witness cor. of secs. 1, 6, 7 and 12.

On top of a spur, projecting S. 55° E., over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, 2½ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S

R16E R17E

S 1 S 6

S12 S 7

W C

1961

Desc. 40 ft. over ledges facing NE.

80.00 Point for the cor. of secs. 1, 6, 7 and 12, falls on the slope of a ledge where the cor. cannot be perpetuated.

Land, broken, mountainous.

Soil, rocky, clay loam; with exposed and eroded sandstone.

Timber, medium dense fir and spruce the first $\frac{1}{2}$ mile, medium juniper and pinon the balance.

Undergrowth, medium serviceberry, wild apple, maple and scattered patches of sagebrush.

North bet. secs. 1 and 6.

Over broken mountain land, through medium timber, and undergrowth.

Thence by triangulation desc. 500 ft. over a broken NE. slope.

18.00 Draw, drains SE.; asc. 680 ft. over a ledgy SE. changing to S. slope.

Survey of the E. 1/2 of T. 16 S., R. 16 E.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6, falls on a ledgy S. slope where the cor. cannot be perpetuated.

Asc. 840 ft. over a ledgy S. slope.

51.89

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

On top of spur, projecting S. 60° E., set an iron post, 30 ins. long $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S
R16E R17E
 $\frac{1}{4}$
S 1 | S 6
W C
1961

Asc. 40 ft. along E. slope.

67.10

Spur, projects N. 40° E., from S. 20° W., desc. 400 ft. over a NW. slope.

77.48

Intersect the north boundary of the township, (or the Third Standard Parallel South).

Point for the closing cor. of Tps. 16 S., Ra. 16 and 17 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T15S R16E

S 1 | S 6
C C
T16S
R16E R17E
1961

From this point the Standard $\frac{1}{4}$ sec. cor. of sec. 36, bears E. 9.36 chs. dist. and is monumented with an iron post, 1 in. diam., set, m. and witnessed as described in the official record.

Land, rough, mountainous.

Soil, rocky clay loam, with numerous sandstone ledges and outcrops. Timber, medium juniper, pinon, fir, spruce and mountain mahogany. Undergrowth, medium oak, maple, serviceberry and wild apple.

Survey of a Portion of the Subdivision of
Township 16 South, Range 16 East

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., previously set and described.

N. $0^{\circ} 01'$ W., bet. secs. 35 and 36.

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains	
	Over broken mountain land, through medium timber.
	Thence by triangulation; asc. 1760 ft. over a ledgy S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36, falls on an inaccessible S. slope of canyon.
	Asc. 240 ft. over a series of ledges facing S.
42.40	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T16S R16E $\frac{1}{4}$ S35 S36 W C 1961 </div>
	The above cor. is set on a high ridge, bearing S. 20° E., and N. 20° W.
	Desc. 320 ft. along a broken E. slope.
60.00	Head of draw, drains E.; asc. 200 ft. over a SE. slope.
69.00	Spur, projects E., thence along an E. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T16S R16E <u>S26 S25</u> <u>S35 S36</u> 1961 </div>
	Land, badly broken; mountainous.
	Soil, rocky, clay loam with a considerable amount of exposed sandstone.
	Timber, medium juniper and pinon the first $\frac{1}{2}$ mile, scattered fir and spruce the balance.
	Undergrowth, scattered oak, maple and serviceberry.
	From the true point for the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, from which its witness cor. bears S. 0.35 chs. dist., hereinbefore described.
	West, bet. secs. 25 and 36.
	Over broken, mountainous land, through medium dense timber.
	By triangulation, desc. 240 ft. along N. changing to NW. slope.
19.00	Fork of Big Canyon, drains NE.; asc. 820 ft. over E. changing to NE. slope.

Survey of a Portion of the Subdivision of Twp. 16 S., R. 16 E.

Chains	
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 36, falls on steep N. slope where the cor. cannot be perpetuated.
42.00	Spur, projects S. 70° E.; asc. 80 ft. along spur.
43.50	Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 25 and 36.
	Set an iron post 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	$\begin{array}{r} \text{T16S R16E} \\ \frac{1}{2} \text{ S } 25 \\ \text{S } 36 \rightarrow \text{W C} \\ 1961 \end{array}$
	Asc. 1,400 ft. over SE. to E. slopes.
80.00	<p>The cor. of secs. 25, 26, 35 and 36.</p> <p>Land, badly broken; mountainous. Soil, rocky, clay loam, with sandstone ledges. Timber, medium dense fir and spruce S. portion; scattered fir, pinon and juniper, N. portion. Undergrowth, scattered serviceberry, maple and wild apple.</p>
	<p>Point for the cor. of secs. 1 and 2, on the N. bdy. of the Tp., 80.00 chs. in westing from the closing cor. of T. 16 S., Rs. 16 and 17 E. falls on ledge sloping N. and cannot be perpetuated.</p>
	Therefore, at a point 0.36 chs. S. 0° 01' E.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam. over a cross (x) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	$\begin{array}{r} \text{W C} \\ \text{T15S R16E} \\ \text{S } 35 \\ \frac{1}{2} \text{ S } 218.1 \\ \text{T16S} \\ 1961 \end{array}$
	<p>From true point for cor. of secs. 1 and 2, the standard $\frac{1}{2}$ sec. cor. of sec. 35, T. 15 S., R. 16 E., bears E. 9.36 chs. dist. No evidence of the original cor. found; therefore, establish this cor. at proportionate dist. from the standard cor. of secs. 34 and 35 and the standard cor. of secs. 35 and 36.</p>
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	$\begin{array}{r} \text{S C} \\ \text{T15S R16E} \\ \frac{1}{2} \text{ S } 35 \\ \text{T16S} \\ 1961 \end{array}$
	<p>Point for the N. $\frac{1}{2}$ sec. cor. of sec. 2, on the N. bdy. of the Tp., 120.00 chs. westing from the closing cor. of Tp. 16 S., Rs. 16 and 17 E., falls on small ledge, sloping S., and cannot be perpetuated.</p>

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains

Therefore, at a point 1.16 chs. east of true point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

W

C

S2

T16S R16E

1961

From true point, the standard cor. of secs. 34 and 35, T. 15 S., R. 16 E., bears E. 9.36 chs. dist., and is monumented with a 2 in. iron post, set, mkd. and witnessed as described in the official record.

Point for the cor. of secs. 2 and 3, on the N. bdy. of the Tp. at 160 chs. westing from the closing Tp. cor. of T. 16 S., Rs. 16 and 17 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T15S R16E

S3 | S2

T16S R16E

1961

From which the standard $\frac{1}{4}$ sec. cor. of sec. 34, bears E. 9.36 chs. monumented by a 1 in. iron post, set, mkd. and witnessed as described in the official record.

S. $0^{\circ} 01'$ E., bet. secs. 2 and 3.

Over rough mountain land, through medium dense timber and undergrowth.

By triangulation desc. 100 ft. over a NE. slope.

10.00 Spur, projects E. desc. 220 ft. over a SE. slope.

18.00 Bottom of fork of Three Canyon, stream of clear water, 2 ins. deep, 6 ins. wide, flows NE.; asc. 880 ft. over a N. slope.

37.48 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3, falls on steep N. slope of canyon, where the cor. cannot be perpetuated.

Asc. 160 ft. over a N. slope.

42.84 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R16E

W C

S3 | S2

1961

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains

elected

Asc. 640 ft. over a N. slope.

57.50 Top of ridge, bears E. and W.; desc. 440 ft. over a SE. slope.

75.40 Small spur, projects SE.; desc. 50 ft. over a SE. slope.

77.48 Point for the cor. of secs. 2, 3, 10 and 11, at a point, calculated to be W. of the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R16E
 S 3 | S 2
 S10 | S11
 1961

Land, rough, mountainous.
 Soil, rocky, clay loam.
 Timber, medium dense fir and spruce.
 Undergrowth, dense oak, scattered serviceberry.

East bet. secs. 2 and 11.

Over broken mountain land, through scattered timber and undergrowth.

By triangulation; desc. 260 ft. over a NE. slope.

7.00 Draw, drains SE.; asc. 80 ft. along a S. slope.

13.00 Small spur, projects S.; desc. 200 ft. over a SE. slope.

22.00 Draw, drains S.; asc. 400 ft. over a SW. slope.

35.00 Point selected for the witness ¼ sec. cor. of sec. 2 and 11.

On top of a spur, projecting SE.; set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R16E
 W S 2
 ¼ C S11
 1961

Desc. 240 ft. over a broken E. slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 11, falls on a steep E. slope where the cor. cannot be perpetuated.

Desc. 560 ft. over a broken E. slope.

53.00 Draw, drains irregularly S.; asc. 540 ft. over a SW. slope.

68.20 Spur, projects S.; desc. 640 ft. over a broken E. slope.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains	
	<p>T16S R16E S2 S 1 S11 S12 1961</p> <p>Land, broken; mountainous. Soil, rocky clay loam, with sandstone outcrops and ledges. Timber, medium dense to scattered pinon and juniper. Undergrowth, medium oak, serviceberry and mahogany.</p>
	<p>N10° 01' W. bet. secs. 1 and 2. Over broken mountain land through medium timber and undergrowth. By triangulation, asc. 240 ft. over an E. changing to SE. slope.</p>
10.00	Spur, projects E.; asc. 840 ft. along an E. changing to S. slope.
32.80	Ridge, projects N. 75° E. and S. 75° W., by chaining desc. 35 ft. over a N. slope.
34.10	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T16S R16E W C S 2 S 1 1961 By triangulation, desc. 200 ft. over a ledgy N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2, falls on a ledgy N. slope where the cor. cannot be perpetuated. Desc. 960 ft. over a badly broken N. changing to NE. slope.
70.00	Spur, projects N. 20° E.; desc. 240 ft. over a N. slope.
77.38	The cor. of secs. 1 and 2. Land, badly broken; mountainous. Soil, rocky, clay loam, with sandstone outcroppings and ledges. Timber, dense fir, spruce, pinon and juniper. Undergrowth, scattered patches of oak, serviceberry and maple.
	<p>From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp. which is monumented by an iron post, 3 ins. in diam., conforming to the record.</p>
	<p>N30° 02' W. bet. secs. 33 and 34. Over broken mountain land, through medium timber. By triangulation asc. 1150 ft. over a broken S. slope.</p>
37.90	Top of spur, projects S. 63° W.
38.00	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains

chain

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 4 ins. in the ground to solid rock and in a mound of stone 4 ft. base to top, with brass cap mkd.

T16S R16E

S33/S34

W.C.

1961

Desc. 80 ft. over ledges facing NW.

40.00 True point for the $\frac{1}{2}$ sec. cor. of secs. 33 and 34, falls on the slope of a sandstone ledge, where the cor. cannot be perpetuated.
Desc. 200 ft. over a NW. slope.

47.00 Draw, drains W.; asc. 240 ft. over a SW. slope.

59.00 Spur, projects W.; desc. 320 ft. over a broken N. slope.

76.50 Draw, drains W.; asc. 100 ft. over ledges facing S. slope

80.00 Point for the cor. of secs. 27, 28, 33 and 34, falls on a ledgy SW. slope, where the cor. cannot be perpetuated.

Land, broken, mountainous.
Soil, rocky clay with a considerable amount of broken and eroded sandstone.
Timber, medium juniper and pinon.
Undergrowth, scant mountain rush, sagebrush and serviceberry.

N. $0^{\circ} 02'$ W. bet. secs. 27 and 28.

Over broken mountain land, through medium timber, and undergrowth.

Asc. 80 ft. over a ledge facing SW.

1.10 Point selected for the witness cor. of secs. 27, 28, 33 and 34.
Over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R16E

S28/S27

S33/S34

W.C.

1961

The above cor. is set on top of a spur, projecting W.
Desc. 240 ft. over a NW. slope.

8.00 Bottom of Dilly Canyon, drains SW, thence across a sagebrush flat 2.00 chs. wide 9.00 chs. long.

19.00 Recross same canyon, drains SE.; asc. 40 ft. over a S. slope.

25.30 Point of spur, projects W.; desc. 40 ft. over a NW. slope.

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains	
29.00	Recross canyon, drains SW.; asc. 40 ft. over a S. slope.
32.40	Low spur, projects SE.; desc. 40 ft. over a N. slope.
34.10	Enter sagebrush flat.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.
	<div style="text-align: center;"> T16S R16E S28 S27 1961 </div>
40.20	Continue across sagebrush flat. Wash, drains SE.
45.00	Leave sagebrush flat, enter dense juniper and pinon, asc. 160 ft. over a S. slope.
52.50	Spur, projects SE.; desc. 100 ft. over a NE. slope.
56.50	Recross bottom of Dilly Canyon, drains SE.; asc. 480 ft. over a SW. slope.
80.00	Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T16S R16E S21 S22 S28 S27 1961 </div>
	Land, badly broken; mountainous. Soil, rocky clay loam, with exposed sandstone. Timber, medium dense juniper and pinon. Undergrowth, patches of dense sagebrush, scattered mountain rush and oak.
	N. 0° 02' W. bet. secs. 21 and 22.
	Over rough mountain land, through medium timber and undergrowth.
	Along a W. slope.
10.80	Spur, projects W.; desc. 300 ft. over a NW. slope.
21.70	Bottom of Dilly Canyon, drains SW.; asc. 100 ft. over a SE. slope.
33.00	Spur, projects SE.; desc. 50 ft. along an E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22, falls on a steep clay slide area where the cor. cannot be perpetuated.
40.70	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains		
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.	
	T16S R16E * S21 S22 W.C. 1961	
80.00	Asc. 830 ft. over a ledge SE. slope.	
	Point for the cor. of secs. 15, 16, 21 and 22, falls on the slope of a ledge where the cor. cannot be perpetuated.	
	Land, broken; mountainous. Soil, rocky clay loam, with exposed and broken sandstone. Timber, medium juniper and pinon. Undergrowth, scattered sagebrush, mountain rush and wild apple.	
	N. $0^{\circ} 02'$ W. bet. secs. 15 and 16.	
00.25	Over broken, mountainous land, through medium timber and undergrowth	
	Point selected for the witness cor. of secs. 15, 16, 21 and 22.	
	Over a cross (x) cut in solid rock, set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd.	
	T16S R16E S16 S15 S21 S22 W.C. 1961	
	The above cor. is set, on top of a ledge on a spur, projecting SE.	
	By triangulation, desc. 140 ft. over a NE. slope.	
11.90	Small draw, drains E.; asc. 80 ft. over a SE. slope.	
18.00	Draw, drains E.; asc. 240 ft. over a SE. slope.	
29.00	Spur, projects SE.; desc. 60 ft. along an E. slope.	
33.50	Draw, drains SE.; asc. 220 ft. over a S. slope.	
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 15 and 16.	
	Over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd.	
	T16S R16E * S16 S15 1961	
	The above cor. is set on top of a ledge facing SE.	

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains

Asc. 400 ft. over a S. slope. Spur, projects SE.; asc. 680 ft. along a ledge E. changing to SE. slope.
 47.00
 80.00 Point for the cor. of secs. 9, 10, 15 and 16.
 Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R16E

S 9 | S10

S16 | S15

1961

Land, badly broken, mountainous.
 Soil, rocky, clay, with sandstone ledges and outcrops.
 Timber, medium dense juniper and pinyon.
 Undergrowth, medium oak, maple, serviceberry and wild apple.

N. 0° 02' W. bet. secs. 9 and 10.

Over broken mountain land.
 Asc. 850 ft. over a broken SE. slope.

35.80 Rim of Valley Mountain, bears irregularly E. and W.

38.90 Jeep road, bears NW. and SE.

Thence over gently rolling mountain top, through dense sagebrush.

40.00 Point for the 1/2 sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R16E

S 9 | S10

1961

Deposit a sandstone, 4x4x6 ins. mkd. with a cross (x) cut at the base of the post.

77.53 Intersect the south bdy. of sec. 4.

Point for the closing cor. of secs. 9 and 10.

Set an iron post 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16E

S 4

S 9 | S10

C C

1961

No accessories available.

Survey of a Portion of the Township of T. 16 S. R. 16 E.

22nd

Chains

From this point, the cor. of secs. 3, 4, 11 and 12 bears East 1.92 chs. dist., monumented by an iron post, 2 ins. diam., hereinafter described.

Land, badly broken, the first 36 chs.; gently rolling the balance.

Soil, rocky clay loam.

Timber, dense fir, juniper and pinon the first $\frac{1}{2}$ mile, no timber the balance.

Undergrowth, oak and maple the first $\frac{1}{2}$ mile, dense sagebrush the balance.

From the true point for cor. of secs. 15, 16, 21 and 22.

West bet. secs. 16 and 21.

Over badly broken mountain land, through dense timber.

Asc. 1200 ft. over a ledgy SE. slope.

30.70

Top of ridge, bears S. 10° W. and N. 10° E., desc. 320 ft. over a steep ledgy W. slope.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R16E

$$\frac{1}{2} \begin{array}{r} S 16 \\ S 21 \\ 1961 \end{array}$$

Desc. 1440 ft. over a steep ledgy W. slope.

80.00

Point for the cor. of secs. 16, 17, 20 and 21, falls in a wash in the bottom of a canyon, where the cor. cannot be perpetuated, (canyon drains S. 23° W.)

Therefore at a point, 30 lks. west of the true point for the cor. of 16, 17, 20 and 21, set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base with brass cap mkd.

T16S R16E

$$\begin{array}{r} S17/S16 \\ S20/S21 \end{array}$$

W.C.
1961

Land, badly broken; mountainous.

Soil, rocky, clay loam, with sand and limestone ledges.

Timber, dense juniper and pinon, the first 30 chs., dense fir and spruce the balance.

Undergrowth, scattered oak, mahogany and maple.

From the true point for the cor. of secs. 16, 17, 20 and 21.

N. $0^{\circ} 03'$ W. bet. secs. 16 and 17.

Over broken, mountainous land, through medium dense timber

Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains	
	By triangulation, asc. 1200 ft. over a badly broken SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17, falls on inaccessible slope of canyon, therefore no cor. set.
	Asc. 560 ft. over a ledgy SE. slope.
62.20	Top of high spur, projects SW.; desc. 500 ft. over a NW. slope.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T16S R16E S 8 S 9 S17 S16 1961 </div>
	Land, badly broken; mountainous.
	Soil, rocky clay loam, with sandstone and limestone ledges.
	Timber, dense fir and spruce.
	Undergrowth, scattered oak, mahogany and maple.
	From the cor. of secs. 9, 10, 15 and 16.
	West between secs. 9 and 16.
	Over broken mountain land, through dense timber.
	By triangulation, asc. 400 ft. over a ledgy SE. slope.
12.00	Spur, projects S. 10° W. desc. 960 ft. over a W. slope.
35.00	Draw, drains SW.; asc. 100 ft. over ledges facing SE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16 falls on the slope of a ledge, where the cor. cannot be perpetuated.
	Asc. 50 ft. over ledges facing SE.
41.53	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
	Over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T16S R16E W 8 S 9 C S16 1961 </div>
	The above witness cor. is set on a spur, projecting S. 10° W.
	Desc. 160 ft. over a W. slope.
47.00	Draw, drains S.; asc. 720 ft. over a SE. slope.
67.30	Spur, projects SW.; desc. 590 ft. over a NW. slope.

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Survey of a Portion of the Subdivision of T. 16 S., R. 16 E.

Chains

80.00

The cor. of secs. 8, 9, 16 and 17.

Land, rough and broken; mountainous.
Soil, rocky clay, with sandstone and limestone ledges and outcrops.
Timber, medium dense juniper, pinon, fir and spruce.
Undergrowth, scattered oak, maple and mahogany.

Dependent Resurvey of the East Boundary of Section 4,
Township 16 S., Range 16 East

Reestablishment of the survey executed by Harvey D. Heist in 1903.

The original cor. of secs. 3, 4, 9 and 10 which is marked by a limestone, 6x6x8 ins. above ground and mkd. with 5 notches on the south and 3 notches on the east edges, alongside of which sets unmarked iron post, 2" ins. in diam., 8 ins. above ground, as this cor. now refers to 3 and 4 only, I mark the iron post as follows:

T16S R16E

S 4 | S 3

S10

1961

From which the SE. cor. of a log cabin, bears N. 02° 21' W., 93 lks. dist.

From the same cor., U.S. C. & G. S. triangulation station "Black Hill" bears S. 24° 50' 12.5" W., 36.04 chs. dist. The geographic position of said station is: Latitude 39° 26' 55.83" N., Longitude 110° 08' 06.123" W.

N. 0° 20' W., along the E. bdy. of sec. 4.

Over gently rolling land, through dense sagebrush and medium grass.

17.00

Trail road, bears NE. and SW.

24.75

The original witness $\frac{1}{4}$ sec. cor. of secs. 3 and 4 which is mkd. by a sandstone rock, 20x16x4 ins. set mkd. and witnessed as described in the official record.

At the cor. point.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, as this cor. now refers to sec. 4 only, I mark the iron post as follows:

T16S R16E

$\frac{1}{4}$

WAC

S 4

1961

25.00

Rim of canyon, bears SE. and NW.; desc. 240 ft. over a badly broken NE. slope, changing to an E. slope.

40.00

True point for the $\frac{1}{4}$ sec. cor. of sec. 4 falls on a ledgy E. slope where the cor. cannot be perpetuated.

Dependent Resurvey of the E. Bdy. of Sec. 4, Township 16 S., R. 16 E.

Chains

N. 0° 08' W., beginning new measurement.

Over a broken E. changing to a SE. slope; asc. 250 ft.

11.60

Rim of canyon, bears NE. and SW., thence over gently rolling mountain top land, through dense sagebrush and scattered aspen.

40.13

The closing cor. of secs. 3 and 4, which is mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, rolling and broken; mountainous.

Soil, rocky, clay loam.

Timber, scattered aspen.

Undergrowth, dense sagebrush and medium grass.

General Description

The land within T. 16 S., R. 16 E. is principally badly broken mountains, with a general southerly exposure. The eastern portion, about one third of the township drains easterly into the Green River, which flows southerly about 4 miles east of the east boundary. The center and western portion drains southerly into Range Creek, which enters the township in the SW. cor. of sec. 19, and leaves the township in the SW. cor. of sec. 19, and leaves the township near the SW. cor. of section 33. The elevation of the township ranges from 5400 ft. above sea level in the lowest reaches of the canyon bottoms on the south boundary, to 9400 ft. on Valley Mountain on the north boundary.

The township is cut by numerous deep steep-sided canyons.

The soil is principally a shallow sandy clay, with numerous sandstone and limestone outcrops, covered with a scattered growth of sagebrush, oak, mahogany, maple and mountain rush. A scattered to dense growth of juniper and pinon is found in the lower elevations and the higher elevations are covered with a scattered to dense growth of fir and spruce.

There is an unimproved dirt road in the bottom of Range Creek Canyon in the SW. cor. of the township and a jeep road along the south rim of Valley Mountain, through the north portion of section 4 and 5.

[illegible]

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that,
 in pursuance of special instructions bearing date of the 28th day of **September**, 19 **60**,
~~and supplemental special instructions dated February 16, 1961,~~
 I have supervised the survey of the east boundary and a portion of the south
 boundary and a portion of the subdivision and the dependent resurvey of the
 east boundary of section 4 of Township 16 South, Range 16 East.

of the **Salt Lake** Meridian, in the State of **Utah**, which
 are represented in the foregoing field notes as having been executed by ~~me and~~ under my ~~direct~~ ^{supervision}
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

August 22, 1963

(Date)

Craig P. Sylvester
 (Cadastral Surveyor)

 (Date)

 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the east boundary and a portion of the south boundary
 and a portion of the subdivision and dependent resurvey of the east bound
 ary of section 4, Township 16 South, Range 16 East, Salt Lake Meridian,
 Utah.

executed by **Fred R. Chappell**, Cadastral Surveyor, under the supervision of
Craig P. Sylvester, Cadastral Surveyor.
 having been critically examined and found correct, are hereby approved.

DEC 3 1963

(Date)

E. E. Remington
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 , is a true copy of the original field notes.

 (Date)

 (Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ORIGINAL

DEPT. OF THE INTERIOR
LAND MGMT
1964 JAN 23 AM 11 02.6

387

FIELD NOTES

RECEIVED
STATE & LAND OFFICE
SALT LAKE CITY, UTAH

OF THE

SURVEY

OF THE NORTH 2 MILES OF THE EAST BOUNDARY

AND

THE COMPLETION OF THE SUBDIVISIONAL LINES

OF

A PORTION

OF

TOWNSHIP 17 SOUTH, RANGE 16 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated September 28, 1960, which provided
for the surveys included under Group No. 446, approved October 6, 1960
and assignment instructions dated April 25, 1961

Survey commenced August 14, 1961

Survey completed August 17, 1961

INDEX DIAGRAM

Township 17 SOUTH, Range 16 EAST

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Township 17 South, Range 16 East

Chains

The west 2 miles of the north boundary were surveyed by H. D. Heist in 1903. In 1914, Ralph Gentry retraced the west 2 miles of the north boundary, and surveyed between sections 4 and 33, 3 and 34 on the north boundary. A portion of the subdivision of T. 17 S., R. 16 E., was surveyed by Ralph Gentry in 1914. The east 2 miles of the north boundary were surveyed concurrently by Fred R. Chappell in 1961.

The following field notes are those of a survey of the north 2 miles of the east boundary, and a portion of the subdivision of T. 17 S., R. 16 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 541327 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of Section 12 is at latitude 39° 21' 13.80"N. and longitude 110° 04' 33.24"W. as adjusted from nearby triangulation stations.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° East.

Survey of the East Boundary of Township 17 South, Range 16 East

Beginning at the cor. of secs. 7, 12, 13 and 18 on the E. bdy. of the Tp. which is a 3 in. iron post, set, mkd. and witnessed as described in the official record.

Survey of the E. Bdy. of T. 17 S., R. 16 E.

Chains	
	N. 0° 05' W. bet. secs. 7 and 12.
	Over broken mountainous land through scattered timber.
	By triangulation, desc. about 20 ft. along E. slope. Topography scaled from U. S. G. S. topographic sheets.
2.50	Approximate dist. to Three Fords Canyon, drains SE., asc. about 1,200 ft. over ledges and talus on broken S. slope.
21.50	Approximate dist. to spur, projects SE., asc. about 240 ft. along broken E. slope.
29.00	Approximate dist. to spur, projects S. 80° E., asc. about 100 ft. along E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 falls on ledge sloping S. and cannot be perpetuated.
	Asc. abruptly about 20 ft. over ledge.
40.20	Top of ledge, bears E. and W. End triangulation.
40.30	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 7 and 12.
	On a spur, projecting E.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on solid stone and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T17S R16E R17E $\frac{1}{4}$ S12 S7 ↓ W C 1961 </div>
	By triangulation, desc. about 720 ft. over broken ledges and talus on NE. slope. Topography scaled from U. S. G. S. topographic sheets.
61.50	Approximate dist. to bottom of NE. slope, asc. about 480 ft. over broken SE. slope.
70.00	Spur, projects E., end triangulation. Desc. 80 ft. over NE. slope to witness cor.
73.00	Point selected for the witness cor. of secs. 1, 6, 7 and 12.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T17S R16E R17E S1 S6 S12 S7 ↓ W C 1961 </div>
	By triangulation, desc. about 640 ft. over broken, ledgy NE. slope. Topography scaled from U. S. G. S. topographic sheets.
80.00	Point for the cor. of secs. 1, 6, 7 and 12 falls on inaccessible NE. slope and cannot be monumented.

Survey of the E. Bdy. of T. 17 S., R. 16 E.

Chains

Land, broken.
Soil, rocky clay.
Timber, scattered pinon and juniper.

N. 0° 05' W. bet. secs. 1 and 6.

Over broken land through scattered timber.

Continue on same triangulation, along broken E. slope.

5.00 Approximate dist. to spur, projects E., desc. about 240 ft. over N. slope.

9.00 Approximate dist. to draw, drains E., asc. about 320 ft. over broken S. slope.

15.00 Approximate dist. to spur, projects S. 75° E., desc. about 80 ft. over NE. slope.

17.00 Approximate dist. to head of Wire Fence Canyon, drains SE., asc. about 960 ft. over broken S. slope.

30.80 Spur, projects E. End triangulation. Desc. 200 ft. along broken E. slope to $\frac{1}{4}$ cor.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T17S
R16E R17E

$\frac{1}{4}$
S1 | S6

1961

By triangulation, desc. about 120 ft. along broken E. slope. Topography scaled from U. S. G. S. topographic sheets.

51.50 Approximate dist. to spur, projects NE., desc. about 360 ft. over broken N. slope.

58.00 Approximate dist. to Rain Canyon, drains E., asc. about 960 ft. over steep broken S. slope.

79.81 True point for cor. of Tps. 16 and 17 S., Rs. 16 and 17 E., from which, its witness cor. bears N. 3.72 chs. monumented with an iron post, set, mkd. and witnessed as described in the field notes of the south boundary of T. 16 S., R. 16 E.

Land, broken.
Soil, rocky clay.
Timber, scattered pinon and juniper.

Survey of the Subdivision of Township 17 South, Range 16 East

From the $\frac{1}{4}$ sec. cor. of secs. 11 and 12, which is a 1 in. iron post, set, mkd. and witnessed as described in the official record.

Survey of the Subdivision of T. 17 S., R. 16 E.

Chains

N. $0^{\circ} 01'$ W. bet. secs. 11 and 12.

Over mountainous land through scattered timber.

By triangulation, asc. about 1,280 ft. over ledgy, broken SE. slope.
Topography scaled from U. S. G. S. topography sheets.

4.00 Approximate dist. to wash, drains SW.

34.40 Point selected for the witness cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., on solid stone
and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T17S R16E

W C

S2 S1

S11 S12

1961

Cor. situated on N. side of over hanging ledge:

34.43 Spur, projects SW. End one triangulation, desc. about 400 ft. over
precipitous N. slope to true point. Topography scaled from U. S. G.
topographic sheets.40.00 Point for the cor. of secs. 1, 2, 11 and 12 falls on precipitous N.
slope where cor. cannot be monumented.

Land, broken.

Soil, rocky clay.

Timber, scattered pinon and juniper.

From the true point for the cor. of secs. 1, 6, 7 and 12, on the
E. bdy. of the Tp.N. $89^{\circ} 51'$ W. bet. secs. 1 and 12.

Over mountainous, broken land through scattered timber.

By triangulation, asc. about 880 ft. over broken E. slope.
Topography scaled from U. S. G. S. topographic sheets.19.00 Ridge, bears irregularly N. and S., desc. 160 ft. over W. slope to
witness $\frac{1}{2}$ cor.27.60 Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 1 and 12.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam. 8 ins. in the
ground and in a mound of stone, 3 ft. base to top, with brass cap
mkd.

T17S R16E

 $\frac{1}{2}$ ← S 1 W
S12 C

End triangulation. 1961

By triangulation, desc. abruptly about 480 ft. over broken W.
slope. Topography scaled from U. S. G. S. topographic sheets.34.00 Approximate dist. to draw, drains SW., asc. about 400 ft. over
broken SE. slope.39.96 Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 12 falls on inaccessible
SE. slope and cannot be monumented.

Survey of the Subdivision of T. 17 S., R. 16 E.

Chains	
45.50	Approximate dist. to spur, projects S., desc. about 240 ft. over SW. slope.
54.50	Approximate dist. to bottom of descent, asc. about 400 ft. over broken SE. slope.
71.00	Approximate dist. to spur, projects SW., desc. about 240 ft. along precipitous N. slope.
79.92	<p>True point for the cor. of secs. 1, 2, 11 and 12, from which, its witness cor. bears S. 0° 01' E. 5.60 chs. hereinbefore described.</p> <p>Land, broken. Soil, rocky clay. Timber, scattered pinon and juniper.</p>
	<p>S. 89° 55' W. bet. secs. 2 and 11.</p> <p>Over mountainous land through scattered timber from true point for cor. of secs. 1, 2, 11 and 12. Topography scaled from U. S. G. S. topographic sheets.</p> <p>Asc. 80 ft. along broken N. slope.</p> <p>9.50 Spur, projects N., thence by triangulation, desc. about 320 ft. over broken NW. slope. Topography scaled from U. S. G. S. topographic sheets.</p> <p>14.00 Approximate dist to small draw, drains NW., thence along N. slope.</p> <p>26.00 Approximate dist. to spur, projects N., desc. about 320 ft. over abrupt NW. slope.</p> <p>31.30 End triangulation.</p> <p>32.50 Base of steep, broken NW. slope, thence asc. 80 ft. over NE. slope.</p> <p>40.00 Intersect the $\frac{1}{4}$ sec. cor. of secs. 2 and 11, a 1 in. iron post, set, and and witnessed as described in the official record.</p> <p>Land, broken. Soil, rocky clay. Timber, scattered pinon and juniper.</p>
	<p>From the true point of cor. of secs. 1, 2, 11 and 12, hereinbefore described.</p> <p>N. 0° 07' W. bet. secs. 1 and 2.</p> <p>Over broken land through scattered timber.</p> <p>By triangulation, desc. about 560 ft. over ledgy, broken N. slope. Topography scaled from U. S. G. S. topographic sheets.</p> <p>14.50 Approximate dist. to draw, drains W., asc. about 560 ft. over steep, broken S. slope.</p> <p>30.50 Approximate dist. to spur, projects S. 80° W., desc. about 500 ft. over broken NW. slope.</p>

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Survey of the Subdivision of T. 17 S., R. 16 E.

Chains

- 40.00. Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2 falls on broken ledges on steep NW. slope and cannot be monumented.
- 45.00. Approximate dist. to draw, drains SW., asc. about 640 ft. over broken SE. slope.
- 57.75. Point selected for the witness point for $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 6 ins. in the ground and in a mound of stone to top, with brass cap mkd.
- T17S R16E
S2 | S1
|
WP
1961
- Witness point situated at base of ledge 70 ft. high on spur, projected SW.
- End one triangulation, beginning of another. Desc. about 480 ft. over ledge, broken NW. slope. Topography scaled from U. S. G. S. topographic sheets.
- 77.50. Approximate dist. to draw, drains SW., asc. about 80 ft. over SE. slope.
- 79.70. Intersect cor. of secs. 1, 2, 35 and 36 which is an iron post, set, mkd. and witnessed as described in the 1961 field notes of the S. bdy. of Tp. 16 S., R. 16 E.
- Land, broken.
Soil, rocky clay.
Timber, scattered pinon and juniper.

General Description

Sections 1, 2, 11 and 12 of Township 17 South, Range 16 East, is broken land, covered with scattered pinon and juniper timber. The general elevation of these sections is from 5,600 ft. to 7,956 ft. above sea level. They are drained mostly in a south westerly direction, except the east half of sections 1 and 12, that drain east. The soil is rocky, clay. The remainder of the Township is described in the original general description of Township 17 South, Range 16 East.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that,
 in pursuance of special instructions bearing date of the **28** day of **September**, 19**60**,
~~supplemental special instructions dated February 16, 1961~~
 I have supervised the survey of the north 2 miles of the east boundary and
 the completion of the subdivisional lines of a portion of Township 17 South,
 Range 16 East,

of the **Salt Lake** Meridian, in the State of **Utah**, which
 are represented in the foregoing field notes as having been executed by me and under my direction;
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

August 22, 1963
 (Date)

Craig P. Sylvester
 (Cadastral Surveyor)

 (Date)

 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the survey of the north 2 miles of the east boundary
 and the completion of the subdivisional lines of a portion of Township 17
 South, Range 16 East, Salt Lake Meridian, Utah.

executed by **Fred R. Chappell, Cadastral Surveyor**, under the supervision of
Craig P. Sylvester, Cadastral Surveyor,
 having been critically examined and found correct, are hereby approved.

DEC 3 1963
 (Date)

E. L. Remington
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 _____, is a true copy of the original field notes.

 (Date)

 (Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

ORIGINAL

1964 JAN 23 AM 11 01.7

FIELD NOTES

RECEIVED
STATE & LAND OFFICE
SALT LAKE CITY, UTAH

OF THE

SURVEY OF THE WEST 2 MILES OF THE

SOUTH BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 12 SOUTH, RANGE 17 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Under the Supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated September 28, 1960, which provided
for the surveys included under Group No. 446, approved October 5, 1960
and assignment instructions dated April 25, 1961

Survey commenced October 2, 1961

Survey completed October 4, 1961

INDEX DIAGRAM

Township 12 SOUTH, *Range* 17 EAST

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25	26	27	28	29	30
31	32	33	34	35	36
2	2	3	4	5	6

Township 12 South, Range 17 East

Chains

The north 4 miles of the west boundary, the north boundary, the north 4 miles of the east boundary and sections 1 through 24, was surveyed by Heist and Stumm in 1910. The south 2 miles of the west boundary was surveyed concurrently by Fred R. Chappell.

The following field notes are those of the west 2 miles of the south boundary, and a portion of the subdivision of Township 12 South, Range 17 East, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 541327 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of section 32 is at latitude $39^{\circ} 43' 22.997''$ N. and longitude $110^{\circ} 01' 31.835''$ W. as adjusted from traverses to U. S. G. S. triangulation stations within the area, "Rock" and "Black Hill", located in sec. 36, T. 12 S., R. 16 E. and sec. 9, T. 16 S., R. 16 E., respectively.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° East.

Survey of the South Boundary of T. 12 S., R. 17 E.

Beginning at the cor. of Tps. 12 and 13 S., Rs. 16 and 17 E., monumented with an iron post set, mkd. and witnessed as described in the 1961 field notes of the south boundary of T. 12 S., R. 16 E.

400

Survey of the S. Bdy. of T. 12 S., R. 17 E.

Chains

East, bet. secs. 6 and 31.

Over mountainous land through dense timber.

Desc. 470 ft. over NE. slope.

38.15 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31 in accordance with the special instructions.Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. in diam., 8 ins. in the ground and in a mound of stone 3 ft. base, to top, with brass cap mkd.

T12S R17E

S 31

S 6

T13S

1961

Continue descent.

38.40 Small draw, drains N., asc. 40 ft. over NW. slope.

43.20 Small spur, projects N., desc. 190 ft. over NE. slope.

59.70 Spur, projects NE., desc. 690 ft. over steep, ledgy E. slope.

78.15 Point for the cor. of secs. 5, 6, 31 and 32, in accordance with the special instructions.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone 3 ft. base, to top, with brass cap mkd.

T12S R17E

S31 | S32

S6 | S5

T13S

1961

Land, mountainous.

Soil, rocky loam.

Timber, dense pinon and juniper.

East bet. secs. 5 and 32.

Over broken land, through medium to scattered timber.

By triangulation, desc. about 320 ft. over abrupt, ledgy E. slope.

10.50 Approximate dist. to canyon, drains S. about 5.00 chs., thence SE., asc. abruptly about 560 ft. over ledgy W. slope.

17.00 Approximate dist. to narrow, ledgy spur, projects SW., desc. about 240 ft. over abrupt, ledgy SE. slope.

26.00 Approximate dist. to bottom of descent, asc. about 160 ft. over ledgy SW. slope.

34.00 Approximate dist. to narrow finger of sandstone, projects S., desc. about 80 ft. over ledges on SE. slope.

401

Survey of the S. Bdy. of T. 12 S., R. 17 E.

Chains	
36.00	Approximate dist. to bottom of descent, asc. about 160 ft. over solid sandstone on near verticle SW. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 5 and 32 falls on inaccessible SW. slope and cannot be monumented.
41.76	Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 5 and 32. On a narrow shelf of sandstone ledge, 50 ft. high. Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. in diam., 14 ins. in the ground and in a mound of stone, to top, with brass cap mkd. <div style="text-align: center;"> T12S R17E $\frac{1}{2}$ W $\xleftarrow{\quad}$ S32 S5 C T13S 1961 </div>
	End triangulation, beginning of another, asc. abruptly about 100 ft. over sandstone ledge bears NW. and SE.
42.00	Approximate dist. to narrow finger of sandstone, about 100 ft. high and 15 lks. wide, projects S., desc. abruptly about 480 ft. over ledgy E. slope.
47.50	Approximate dist. to draw, drains S., asc. about 480 ft. over ledgy W. slope.
57.00	Approximate dist. to spur, projects S. about 3.00 chs., thence SE., desc. abruptly about 400 ft. over ledgy SE. slope.
78.50	Approximate dist. to canyon, drains SW., asc. about 80 ft. over NW. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33 falls on large boulder and cannot be perpetuated. Therefore; At a point 0.15 E., set an iron post 30 ins. long, $2\frac{1}{2}$ ins. in diam. 6 ins. in the ground and in a mound of stone 4 ft. base to top, with brass cap mkd. <div style="text-align: center;"> T12S R17E W C $\xleftarrow{\quad}$ S32 S33 S5 S4 T13S 1961 </div>
	Land, broken. Soil, mostly solid sandstone. Timber, scattered scrub pinon and juniper.
	Survey of the Subdivision of Township 12 South, Range 17 East
	N. $0^{\circ} 03'$ W. bet. secs. 32 and 33. Over mountainous land through medium timber.

Survey of the Subdivision of T. 12 S., R. 17 E.

Chains	
	By triangulation, desc. about 80 ft. over NW. slope.
4.00	Approximate dist. to canyon, drains SW., asc. about 240 ft. over SE. slope.
10.00	Approximate dist. to spur, projects E., desc. about 100 ft. over rocky NE. slope.
15.00	Approximate dist. to bottom of descent, slopes E., asc. about 200 ft. over rocky SE. slope.
22.00	Approximate dist. to spur, projects E., thence along E. slope.
26.50	Approximate dist. to spur, projects NE., desc. about 100 ft. over rocky N. slope.
30.00	Approximate dist. to same canyon, drains E. about 5.00 chs., thence irregular S., asc. about 40 ft. over rocky S. slope.
32.00	Approximate dist. to small spur, projects W. about 3.50 chs., desc. about 40 ft. over rocky N. slope.
34.50	Approximate dist. to same canyon, drains W. about 2.50 chs., thence SE., asc. about 240 ft. over broken SE. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 32 and 33. Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground and in a mound of stone 4 ft. base, to top, with brass cap mkd. <div>T12S R17E * S32 S33 1961</div>
	End triangulation. Continue ascent over SE. slope.
50.60	Spur, projects E., thence by triangulation, desc. about 160 ft. over NE. slope.
58.00	Approximate dist. to same canyon, drains SE. about 8.00 chs., thence irregularly S., asc. about 400 ft. over broken SW. slope.
78.08	End triangulation.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. in diam. 10 ins. in the ground and in a mound of stone, to top, with brass cap mkd. <div>T12S R17E S29 S28 S32 S33 1961</div>
	Land, mountainous Soil, rocky, sandy loam. Timber, medium pinon and juniper.
	From the cor. of secs. 5, 6, 31 and 32 on the south bdy. of the Tp.

Survey of the Subdivision of T. 12 S., R. 17 E.

Chains	
	N. 0° 03' W. bet. secs. 31 and 32.
	Over broken land through medium timber.
	By triangulation, desc. about 160 ft. over steep, rocky NE. slope.
3.00	Approximate dist. to draw, drains NE., asc. about 240 ft. over ledgy SE. slope.
11.00	Approximate dist. to ledgy spur, projects E., desc. about 400 ft. over ledgy NE. slope.
18.50	Approximate dist. to canyon, drains SE., asc. about 400 ft. over ledgy S. slope.
27.00	Approximate dist. to spur, projects W., desc. about 160 ft. over broken NW. slope.
37.00	Approximate dist. to draw, drains SW., asc. about 190 ft. over ledgy SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 falls on inaccessible SE. slope and cannot be monumented.
43.31	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 32.
	Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. in diam., on solid sandstone and in a mound of stone 4 ft. base, to top, with brass cap mkd.
	<div style="text-align: center;"> T12S R17E ↓ S31 S32 ↓ WC 1961 </div>
	End triangulation; continue ascent.
53.80	Spur, projects SW., desc. 200 ft. over N. slope.
69.50	Bottom of descent, asc. 110 ft. over rocky SW. slope.
76.30	Wash, 40 lks. wide, 3 ft. deep, drains irregular SW., asc. 30 ft. over SE. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. in diam. 6 ins. in the ground and in a mound of stone $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.
	<div style="text-align: center;"> T12S R17E ↓ S30 S29 S31 S32 1961 </div>
	Land, mountainous, broken. Soil, rocky sandy loam. Timber, medium pinon and juniper.
	From the cor. of secs. 28, 29, 32 and 33.

Survey of the Subdivision of T. 12 S., R. 17 E.

Chains

N. 89° 57' W. bet. secs. 29 and 32.

Over mountainous land through dense timber.

By triangulation, desc. about 250 ft. over steep, SW. slope.

9.50 Approximate dist. to canyon, drains S., asc. about 560 ft. over E. slope.

36.00 Approximate dist. to spur, projects NE., thence along N. slope.

40.00 End triangulation.

40.12 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone 3 ft. base, to top, with brass cap mkd.

T12S R17E

S 29

S 32

1961

Asc. 20 ft. over NE. slope.

42.30 Ridge, bears N. and S.

44.70 Desc. 550 ft. over broken, steep SW. slope.

76.10 Wash, 40 lks. wide, 3 ft. deep, in bottom of draw, drains S. 30° W. asc. 20 ft. over SE. slope.

79.20 Spur projects SE., continue ascent.

80.24 The cor. of secs. 29, 30, 31 and 32.

Land, mountainous.

Soil, rocky loam.

Timber, medium pinon and juniper.

General Description

The portion of T. 12 S., R. 17 E. that was surveyed in 1961, is rough, broken, mountainous land covered with scattered to dense pinon and juniper timber. The area is drained by two canyons in a south-easterly direction. The general elevation of the area is 6,000 ft. above sea level. Soil is rocky, sandy loam with considerable exposed sandstone. There was no water or roads noted in this area.

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**

, HEREBY CERTIFY upon honor that,

in pursuance of special instructions bearing date of the **28** day of **September**, 19**60**,
~~supplemental special instructions dated February 16, 1961,~~
 I have supervised the survey of the west 2 miles of the south boundary and
 a portion of the subdivisional lines of Township 12 South, Range 17 East,

of the **Salt Lake** Meridian, in the State of **Utah**, which
 are represented in the foregoing field notes as having been executed ~~by me~~ under my ~~direction~~ ^{supervision};
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

August 22, 1963
 (Date)

Craig P. Sylvester
 (Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the survey of the west 2 miles of the south boundary
 and a portion of the subdivisional lines of Township 12 South, Range 17
 East, Salt Lake Meridian, Utah.

executed by **Fred R. Chappell**, Cadastral Surveyor, under the supervision of
Craig P. Sylvester, Cadastral Surveyor.
 having been critically examined and found correct, are hereby approved.

DEC 3 1963
 (Date)

E. E. Livingston
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 , is a true copy of the original field notes.

(Date)

(Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUR OF LAND MGMT

407

ORIGINAL

1964 JAN 23 AM 11 02 .0

FIELD NOTES

OF THE

RECEIVED
STATE & LAND OFFICE
SALT LAKE CITY, UTAH

SURVEY OF THE WEST 2 MILES OF THE SOUTH BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 13 SOUTH, RANGE 17 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor (Chief of Party)

Glen B. Hatch, Cadastral Surveyor

Under special instructions dated September 28, 1960, which provided
for the surveys included under Group No. 446, approved October 5, 1960
and assignment instructions dated April 25, 1961

Survey commenced September 25, 1961

Survey completed October 4, 1961

INDEX DIAGRAM

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Township 13 South, Range 17 East

Chains

The west boundary, and the west 2 miles of the north boundary was surveyed concurrently by Fred R. Chappell in 1961. The east and a portion of the north and south boundaries fall in the Uintah and Oray Indian reservation and are not surveyed.

The following field notes are those of the survey of the west 2 miles of the south boundary, and a portion of the subdivision of T. 13 S., R. 17 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with a W. & L. E. Gurley Solar Transit, No. 580158, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U.S.G.S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The directions of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of section 32 is at latitude $39^{\circ}38'36.4''$ N. and longitude $110^{\circ}01'33.0''$ W. as adjusted from traverses to U.S.G.S. triangulation stations "Rock" and "Black Hill", located in section 36, T. 12 S., R. 16 E., and section 9, T. 16 S., R. 16 E., respectively.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° east.

Survey of South Boundary, T. 13 S., R. 17 E.

Beginning the survey at true point for the corner of township 13 S., R. 16 and 17 E., from which its witness cor. bears W. 1.83 cha. dist., monumented with an iron post, set, mks, and witnessed as described in the 1961 field notes of the S. bdy. of T. 13 S., R. 16 E.

Survey of S. Bdy, T. 13 S., R. 17 E.

Chains	East, along the S. bdy. of sec. 31.
	Over broken, mountainous land through medium timber.
	By triangulation, desc. about 480 ft. over steep, broken NE slope.
16.00	Approximate dist. to Little Cedar Ridge Canyon, drains SE., asc. about 640 ft. over steep, ledgy W. slope.
38.15	Point for the S $\frac{1}{2}$ sec. cor. of sec. 31 falls on ledge sloping W. and cannot be perpetuated.
40.89	Point selected for the witness S $\frac{1}{2}$ sec. cor. of sec. 31 only.
	Set an iron post 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T13S R17E
	$\frac{1}{2}$ W S31 C
	T14S 1961
41.00	Spur, projects S., end triangulation. Desc. 160 ft. over SE slope.
49.00	Bottom of descent, asc. 240 ft. along broken S. slope.
60.60	Spur, projects S. 15° W., thence along rocky S. slope.
71.60	Spur, projects S. 80° E., desc. 290 ft. over steep, rocky NE slope.
78.15	Point for the cor. of secs. 31 and 32 only.
	On a steep, rocky NE slope.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone 3 $\frac{1}{2}$ ft. base, 3 ins. from top, with brass cap mkd.
	T13S R17E
	S31 S32
	T14S 1961
	Land, mountainous, broken. Soil, rocky, sandy loam. Timber, medium pinion and juniper, scattered pine.
	East, along the S. bdy. of sec. 32.
	Over broken land through medium timber.
	By triangulation, desc. about 880 ft. over steep, broken NE slope.
25.00	Approx. dist. to ravine, drains E. about 6.00 chs., thence S., asc. about 320 ft. over rocky SW slope.
39.20	Spur, projects S., desc. 160 ft. over SE slope. End triangulation.

Survey of S. Bdy., T. 13 S., R. 17 E

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of sec. 32 only.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base, 3 ins. from top, brass cap mkd.

T13S R17E

 $\frac{1}{4}$ S32T14S
1961

By triangulation, cont. descent.

47.50 Approx. dist. to bottom of descent, asc. about 80 ft. over SW slope.

51.50 Approx. dist. to spur, projects S., desc. about 240 ft. over steep, rocky E. slope.

56.00 Approx. dist. to ravine, drains S., asc. about 650 ft. over ledges on steep, broken W. slope.

65.80 Spur, projects SW., desc. about 200 ft. over steep, rocky SE slope.

End one triangulation, beginning of another.

76.00 Approx. dist. to bottom of descent, asc. about 200 ft. over ledges on SW slope.

80.00 Point for the cor. of secs. 32 and 33 falls on ledge sloping SW and cannot be perpetuated.

Therefore, at a point 5.95 chs. E. set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. on solid stone and in a mound of stone 4 ft. base to top, with brass cap mkd.

T13S R17E

WC S32 | S33T14S
1961

Cor. set on narrow ledge on ledgy SW slope.

Land, broken.

Soil, rocky, with considerable exposed sandstone.

Timber, medium pinion and juniper, scattered pine on N. slopes.

Subdivision of Township 13 South, Range 17 East

From the true cor. point of secs. 32 and 33 on the S. bdy. of the Tp., from which its witness cor. bears E. 5.95 chs.

N. $0^{\circ}10'$ E. bet. secs. 32 and 33, parallel to the W. bdy. according to the special instructions.

Over broken land through medium timber.

By triangulation, asc. about 1,050 ft. over ledges and rock slides on steep S. slope.

17.70 Spur, projects S. 50° E. End one triangulation, beginning of another. Desc. about 720 ft. over steep, broken NE slope.

37.00 Approx. dist. to draw, drains SE., asc. about 970 ft. over steep, broken, SE slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33 falls inaccessible

Subdivision of T. 13 S., R. 17 E.

Chains

Ledge on SE slope and cannot be monumented.

44.44

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T13S R17E

 $\frac{1}{4}$ S32 \downarrow S33

WC

1961

End triangulation.

Witness cor. located about 200 ft. above draw.

By triangulation, continue ascent.

52.00

Approx. dist. to top of ledge, 150 ft. high, bears irregular E. and W., asc. over gentle S. slope.

66.50

Top of ascent, bears E. and W. End triangulation. Desc. 210 ft. over NE slope.

77.20

Draw, drains NE., asc. 50 ft. over SE slope.

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid stone and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T13S R17E

S29 | S28

S32 | S33

1961

Cor. situated on ledge, 20 ft. high, bears NE and SW.

Land, broken.

Soil, rocky, sandy loam.

Timber, medium pinion and juniper, scattered pine.

N. $0^{\circ}10'$ E. bet. secs. 28 and 29.

Over mountainous land through medium timber.

By triangulation, along E. slope.

20.00

Approx. dist. to spur, projects NE., desc. about 1,090 ft. over N. slope.

32.00

Approx. dist. to steep descent.

37.25

End triangulation.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T13S R17E.

 $\frac{1}{4}$

S29 | S28

1961

Cor. situated about 650 ft. below spur.

By triangulation, continue descent.

Subdivision of T. 13 S., R. 17 E.

Chains
56.00

Approx. dist. to wash, 50 lks. wide, 20 ft. deep, in bottom of Cedar Ridge Canyon, drains E., asc. about 250 ft. over broken S. slope.

65.00

Approx. dist. to spur, projects S., asc. about 240 ft. along top of spur.

80.00

Point for the cor. of secs. 20, 21, 28 and 29.

Set an iron post, 30 ins. long, 2½ ins. diam. 8 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T13S R17E

S20	S21
S29	S28

1961

Land, mountainous.

Soil, rocky loam.

Timber, medium dense pinion and juniper.

N. 0°10' E., bet. secs. 20 and 21.

Over mountainous land through dense timber.

Asc. 520 ft. over steep, rocky, S. slope.

8.20

Road, unimproved, bears irregularly E and W.

19.00

Ridge, bears S. 80° E., and N. 80° W., desc. 300 ft. over N. slope.

26.60

Top of ledge, 20 ft. high, bears E. and W., desc. abruptly over steep N. slope to small bench.

39.06

Point selected for the witness ¼ sec. cor. of secs. 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam. 6 ins. in the ground to bedrock, and in a mound of stone 4 ft. base to top, with brass cap mkd.

T13S R17E

¼
WC

S20 ↑ S21

1961

Witness ¼ cor. situated on top of ledge, 40 ft. high, bears NW and SE.

40.00

Point for the ¼ sec. cor. of secs. 20 and 21 falls on near vertical ledge, sloping N. and cannot be monumented.

By triangulation, desc. about 840 ft. over ledges and talus on steep NE slope.

66.00

Approx. dist. to draw, drains NE., asc. about 430 ft. over ledges and talus on steep SE slope.

76.10

Point selected for the witness cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam. 4 ins. in the ground and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T13S R17E

WC	
S17 ↑	S16
S20	S21

1961

Subdivision of Twp 11 N., R. 17 E.

Chains

Witness cor. situated on top of spur, projects NE. End triangulation beginning of another.

80.00

Point for the cor. of secs. 16, 17, 20 and 21 falls on near vertical N. slope and cannot be perpetuated.

Land, broken.

Soil, rocky, sandy loam.

Timber, dense

N. 0° 10' E. bet. secs. 16 and 17.

Over rough, broken land through dense timber.

Continue on same triangulation, desc. about 160 ft. over loose talus on steep N. slope to head of draw.

2.00

Approx. dist. to head of draw, drains NE., desc. about 400 ft. over steep, broken NE slope.

19.00

Approx. dist. to canyon, drains irregularly E. from NW., asc. about 400 ft. along broken W. slope.

32.00

Approx. dist. to change of slope, asc. about 400 ft. over rough, rocky, talus on steep S. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17 falls on loose talus on S. slope, unsafe to perpetuate.

41.91

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 17.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. 10 ins. in the ground and in a mound of stone 3 ft. base to top, with brass cap mkd.

T13S R17E

S17 \downarrow S16

WC

1961

End one triangulation, beginning of another. Continue ascent.

42.00

Approx. dist. to point of spur, projects S., thence along broken E. slope.

71.00

Approx. dist. to head of draw, drains S. 20° E., asc. about 320 ft. over ledges, and talus on steep, broken S. slope.

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid stone and in a mound of stone 3 ft. base to top, with brass cap mkd.

T13S R17E

S8 | S9

S17 | S16

1961

Cor. situated on point of ledge, 80 ft. high, bears E. and N. about 0.30 chs., thence W.

Land, rough, broken.

Soil, rocky, sandy loam and clay.

Timber, medium pinion and juniper, scattered pine and spruce.

Subdivision of T. 13 S., R. 17 E.

Chains

N 0° 10' E. bet. secs. 8 and 9.

Over rolling top of ridge through dense timber.

Asc. abruptly over ledge 50 ft. high, bears E. and W.

11.00 Top of ledge, thence asc. 160 ft. over gentle SE slope.

11.20 Spur, projects E., desc. 70 ft. over rocky, gentle NE. slope.

23.30 Wash, 10 lks. wide, 2 ft. deep, drains N. 70° E., asc. 40 ft. over S. slope.

33.40 Spur, projects N. 80° E., desc. 30 ft. over gentle NW slope.

39.70 Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 8 and 9.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on solid stone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T13S R17E

 $\frac{1}{2}$

WC

S8 \uparrow S9

1961

39.80 Top of ledge, 15 ft. high, bears NE and SW., by triangulation, desc. abruptly about 1,120 ft. over ledges and talus on steep, broken NW slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 8 and 9 falls on sloping ledge and cannot be perpetuated.

71.00 Approx. dist. to draw, drains NE, asc. about 240 ft. over ledges and talus on steep, broken SE slope.

80.00 Point for the cor. of secs. 4, 5, 8 and 9 falls on inaccessible ledge bears NE and SW, and cannot be monumented.

Land, rolling on 40.00 chs., steep and broken on 40.00 chs.

Soil, rocky, sandy clay.

Timber, dense pinion and juniper on 40.00 chs., scattered on 40.00 chs.

N. 0° 12' E. bet. secs. 4 and 5.

Over steep, broken land through widely scattered timber.

Continue same triangulation. Asc. abruptly about 320 ft. over high ledges, bears NE and SW., to witness cor.

2.04 Point selected for the witness cor. of secs. 4, 5, 8 and 9.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T13S R17 E

S5 | S4

S8 | S9

WC

1961

Cor. situated on narrow shelf of ledge on broken SE slope.

Asc. abruptly about 60 ft. over near vertical ledge, by triangulation.

3.00 Approx. dist. to narrow finger of rock, projects NE about 1.00 ch.,

Subdivision of T. 13 S., R. 17 E.

- Chains desc. abruptly about 960 ft. over ledges and talus on steep, broken N. slope.
- 16.00 Approx. dist. to Jack Creek, drains S. 75° E., asc. abruptly about 880 ft. over ledges on steep S. slope.
- 29.50 Approx. dist. to spur, projects W. about 8.00 chs., desc. about 400 ft. over steep, rocky NW. slope to cor.
- 39.82 True pt. for the cor. of secs. 4, 5, 32 and 33 on the W. bdy. of the Tp., from which its witness cor. bears E. 0.15 ch. dist., and is an iron post set, mkd, and witnessed as described in the 1961 field notes of the S. bdy. of T. 12 S., R. 17 E.

Land, steep, broken.

Soil, rocky.

Timber, widely scattered pinion and juniper.

From true point of cor. of secs. 16, 17, 20 and 21, from which its witness cor. bears S. 0° 10' W., 3.90 chs.

E., bet. secs. 16 and 21.

Over steep, broken land through scattered timber.

By triangulation, desc. about 160 ft. along steep W. slope to spur.

- 9.00 Approx. dist. to spur, projects NE., desc. about 640 ft. over ledges and talus on steep SE. slope.
- 28.00 Approx. dist. to draw, drains NE., asc. about 480 ft. over broken ledges on NW. slope.
- 37.80 Spur, projects N. 20° W., desc. 70 ft. over steep, rocky NE. slope to $\frac{1}{4}$ cor. End triangulation.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T13S R17E

$\frac{1}{4}$ S16

S21

1961

By triangulation, desc. about 80 ft. over NE. slope.

- 47.00 Approx. dist. to head of draw, drains NW., asc. about 480 ft. over steep, rocky SW. slope.
- 54.00 Top of small, rocky knob on spur, projects irregular N., W. rim of Green River. End one triangulation, beginning of another. Desc. about 880 ft. over ledges and talus on abrupt E. slope.
- 65.00 Approx. dist. to base of steep, broken E. slope, thence across nearly level river bottom land through sage brush and grease wood.
- 80.00 Point for the cor. of secs. 15, 16, 21 and 22.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T13S R17E

S16 | S15

S21 | S22

1961

Subdivision of T. 13 S., R. 17 E.

Chains

No accessories available.
Cor. located about 8.00 chs. W. of the Green River.
Land, steep, broken.
Soil, rocky on mountains, deep sandy loam in river bottom.
Timber, scattered Pinon and juniper.
Undergrowth, sage brush, grease wood and willows along Green River.

W. 0° 11' E., bet. secs. 15 and 16.

Over nearly level river bottom land, through dense sage brush, and grease wood.

Asc. 50 ft. over gentle SE. slope.

21.20 Wash, 30 lks. wide, 2 ft. deep, drains S. 75° E.

24.80 Base of steep, broken ledges, asc. abruptly 370 ft. over SE. slope to spur.

25.00 Top of sandstone ledge, 50 ft. high, bears NE. and SW.

34.40 Spur, projects S. 30° E., desc. 50 ft. over rocky, NE. slope.

38.00 Small draw, drains S. 30° E., asc. 60 ft. over rocky SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16 falls on large boulder on spur, projects SE, and cannot be perpetuated.

40.10 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T13S R17E

$\frac{1}{4}$
S16 ↓ S15
WC
1961

By triangulation, asc. abruptly about 1,040 ft. over sandstone ledges and talus on steep SW. slope.

60.00 Top of ledge, about 100 ft. high, bears SE. and SW. End triangulation, thence asc. 50 ft. over gentle SE. slope.

64.20 Spur, projects irregular E., desc. 200 ft. over rocky NE. slope.

75.20 Wash, 30 lks. wide, 3 ft. deep, drains S. 30° E., asc. 180 ft. over steep, rocky S. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T13S R17E

S9 | S10
S16 | S15
1961

Land, mountainous.

Soil, rocky, sandy loam.

Timber, scattered pinon and juniper.

Subdivision of T. 13 S., R. 17 E.

Chains	S. 89° 49' W. bet. secs. 9 and 16. Over mountainous land, through scattered timber. Desc. 30 ft. along S. slope.
4.50	Head of small draw, drains SE., asc. 240 ft. over rocky NE. slope.
17.00	Spur, projects SE., desc. 160 ft. over SW. slope.
26.00	Draw, drains S., asc. 160 ft. over SE. slope.
32.70	Spur, projects S., desc. 240 ft. over rocky W. slope.
38.50	Draw, drains SW., asc. 80 ft. over SE. slope to $\frac{1}{4}$ cor.
39.91	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. 6 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd. <div style="text-align: center;">T13S R17E $\frac{1}{4}$ $\frac{89}{S16}$ 1961 By triangulation, asc. about 40 ft. over SE. slope.</div>
41.00	Approx. dist. to spur, projects S.; desc. about 150 ft. over SW. slope.
48.00	Approx. dist. to draw, drains SE., asc. about 640 ft. over broken NE. slope.
59.00	Approx. dist. to spur, projects S. 65° E., continue ascent.
71.90	Top of ledge, 30 ft. high, bears N. and S. End triangulation. Asc. 20 ft. over gentle SE. slope.
73.90	Spur, projects S. 30° E., desc. 160 ft. over sandstone ledges on SW slope.
79.82	The cor. of secs. 8, 9, 16 and 17. Land, mountainous, broken. Soil; rocky loam. Timber, scattered pinon and juniper.
<hr/>	
	From the cor. of secs. 31 and 32, on the S. bdy. of the Tp. N. 0° 10' E. bet. secs. 31 and 32: Over, rough, broken land through scattered timber. By triangulation; desc. about 480 ft. over steep, broken NE. slope.
18.50	Approx. dist. canyon, drains S. 70° E., asc. about 880 ft. over broken, ledgy SE. slope.
33.50	Approx. dist. to spur, projects S. 30° E., desc. about 40 ft. along broken E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32. End triangulation. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. 12 ins. in the ground and in a mound of stone; $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

Subdivision of T. 13 S., R. 17 E.

Chains	
	<p>T13S R17 E $\frac{1}{2}$ S31 S32 1961</p> <p>By triangulation, desc. about 30 ft. over NE. slope.</p> <p>40.50 Small draw, drains E., asc. about 120 ft. over SE. slope.</p> <p>42.00 Approx. dist. to small spur, projects E., desc. about 80 ft. over NE. slope.</p> <p>49.00 Approx. dist. to small draw, drains E., asc. about 80 ft. over SE. slope.</p> <p>52.00 Approx. dist. to small spur, projects S. 70° E., desc. about 80 ft. over NE. slope.</p> <p>58.00 Approx. dist. to small draw, drains S. 15° E., asc. abruptly about 720 ft. over sandstone ledges and talus on steep S. slope.</p> <p>72.10 Ridge, bears irregularly E and W., end triangulation, thence desc. 200 ft. over broken NW slope, through dense timber.</p> <p>80.00 Point for the cor. of secs. 29, 30, 31 and 32.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone. Brass cap mkd.</p> <p style="text-align: center;">T13S R17E S30 S29 S31 S32 1961</p> <p>Land, broken. Soil, rocky loam. Timber, scattered pinon, juniper, and pine</p> <hr/> <p>From the cor. of secs. 28, 29, 32, and 33.</p> <p>S. 89° 52' W., bet. secs. 29 and 32.</p> <p>Over mountainous land through dense timber.</p> <p>Asc. 170 ft. over SE. slope.</p> <p>9.80 Spur, projects N. 40° E., desc. 40 ft. over NW. slope.</p> <p>13.00 Small draw, drains N., asc. 10 ft. along N. slope.</p> <p>16.20 Small spur, projects N., desc. 60 ft. along N. slope.</p> <p>20.80 Wash, 10 lks. wide, 3 ft. deep, drains N.</p> <p>23.00 Wash, 5 lks. wide, 2 ft. deep, drains NE, asc. 150 ft. over rocky NE. slope.</p> <p>29.00 Spur, projects NE., desc. 140 ft. over rocky NW. slope.</p> <p>37.70 Small draw, drains N., asc. 10 ft. over NE. slope to $\frac{1}{4}$ cor.</p> <p>40.10 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a collar of stone. Brass cap mkd.</p> <p style="text-align: center;">T13S R17E $\frac{1}{4}$ S29 S32 1932</p>

Subdivision of T. 13 S., R. 17 E.

Chains	Asc. 60 ft. over NE. slope.
44.50	Point of spur, projects N. 15° E., desc. 110 ft. over NW. slope.
52.30	Wash, 20 lks. wide, 2 ft. deep, drains N. 15° E., asc. 60 ft. over NE. slope.
57.00	Spur, projects N., desc. 10 ft. over NW. slope.
63.50	Small draw, drains N., asc. 120 ft. over NE. slope.
70.00	Spur, projects N., desc. 90 ft. over NW. slope.
80.20	The cor. of secs. 29, 30, 31 and 32.

Land, mountainous.

Soil, rocky loam.

Timber, dense pinon and juniper, scattered pine.

General Description West of the Green River

The land in the west portion of T. 13 S., R. 17 E., mountainous and broken, and extremely rough along the Green River. The general elevation of the area is from 4,400 ft. to 6,800 ft. above sea level. The west portion of the township is covered with scattered to dense pinon, juniper, and pine trees, except along the river bottom, which is covered with scattered to dense sage brush, grease wood and willows. The soil along the river is mostly deep, sandy loam, while along the ridges and spurs, is shallow, rocky sand. The area is drained in an easterly direction by Flat Canyon, Cedar Ridge Canyon, and Jack Creek, all draining into the Green River which flows in a southerly direction through the central part of the township. There is one road in the township, and is located in the central part of the township along the top of Cedar Ridge and bears easterly to the west rim of the Green River. No permanent source of water was noted in the area other than the river.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

421

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that,
 in pursuance of special instructions bearing date of the 28th day of **September**, 19 **60**,
~~and supplemental special instructions bearing date of the 16th day of Feb. 1961.~~
 I have supervised the survey of the west 2 miles of the south boundary and a
 portion of the subdivisional lines of Township 13 South, Range 17 East.

of the **Salt Lake** Meridian, in the State of **Utah**, which
 are represented in the foregoing field notes as having been executed ~~by me and~~ under my ~~direction~~ ^{supervision};
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

August 22, 1963

(Date)

Craig P. Sylvester
 (Cadastral Surveyor)

 (Date)

 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the survey of the west 2 miles of the south boundary
 and a portion of the subdivisional lines of Township 13 South, Range 17
 East, Salt Lake Meridian, Utah.

executed by **Glen B. Hatch - Cadastral Surveyor** under the supervision of
Craig P. Sylvester, Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.

DEC 3 1963

(Date)

E. E. Lemington
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 _____, is a true copy of the original field notes.

 (Date)

 (Chief, Division of Engineering)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

1964 JAN 28 11 11 02 15

FIELD NOTES

OF

RECEIVED

2099
2373

THE RETRACEMENT

OF

THE WEST $\frac{1}{2}$ MILE OF THE SOUTH BOUNDARY OF SECTION 33

AND THE

SURVEY OF THE WEST TWO MILES OF THE SOUTH BOUNDARY

AND

A PORTION OF THE NORTH BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

AND THE

MEANDER OF THE RIGHT BANK OF THE GREEN RIVER THROUGH SECTION 16

OF TOWNSHIP 16 SOUTH, RANGE 17 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Glen B. Hatch, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated September 28, 1960, which provided
for the surveys included under Group No. 446, approved October 5, 1960
and assignment instructions dated April 25, 1961

Survey commenced May 29, 1961

Survey completed August 4, 1961

INDEX DIAGRAM

Township 16 SOUTH, Range 17 EAST

4 6	5 8 10	6 4	8	2	1
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18	17 8	12 16 11	15	14	13
19	20 8	21	22	23	24
30	29 7	28	27	26	25
31	14 13 33 6	33	34	35	36
3	2	1			

GPO 866119

Lines surveyed by Glen B. Hatch

Lines surveyed by Fred R. Chappell

Township 16 South, Range 17 East

Chains

The east 4 miles of the south boundary were surveyed by J. C. Clark in 1920. The west boundary was surveyed concurrently by Fred R. Chappell. The east boundary and a portion of the north boundary (The Third Standard Parallel South) fall within the Uintah and Oray Indian Reservation and were not surveyed.

The following field notes are those of a resurvey of the west $\frac{1}{2}$ mile between sections 4 and 33, on the south boundary. A survey of the west 2 miles of the south boundary, the portion of the north boundary (The Third Standard Parallel South) outside the Uintah and Oray Indian Reservation, and a portion of the subdivision of T. 16 S. R. 17 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transit No. 580158 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the MC. for secs. 3 and 34 on right bank of Gree River at latitude $39^{\circ} 22' 58.28''$ N. and longitude $110^{\circ} 01' 03.17''$ W. as adjusted from traverses to U. S. G. S. triangulation stations "Black Hill" and "Rock", located in sec. 9, T. 16 S., R. 16 E. and sec. 36, T. 16 S., R. 16 E., respectively. The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 00'$ east.

Retracement of the West $\frac{1}{2}$ Mile Between Sections 4 and 33,
Townships 16 and 17 South, Range 17 East

No evidence of the witness cor. of secs. 4, 5, 32 and 33 found. Therefore, beginning at the true point of $\frac{1}{4}$ cor. of secs. 4 and 33.

Retracement of the W. 1/2 Mile Bet. Secs. 4 and 33. Tps. 16 and 17 S., R. 17 E.

Chains

West, bet. secs. 4 and 33.

Topography agrees substantially with the record and is omitted from these notes.

6.20

The witness $\frac{1}{4}$ cor. of secs. 4 and 33, which is a 1 in. iron post, set, mkd. and witnessed as described in the official record.

34.30

Point for the witness cor. of secs. 4, 5, 32 and 33 at record course and distance, falls on rock slide, and cannot be permanently restored. No evidence of original witness cor. found.

Thence by triangulation.

40.00

Point for the cor. of secs. 4, 5, 32 and 33 at record course and dist. falls on inaccessible ledge sloping E. and is not monumented.

Survey of a Portion of the South Boundary of T. 16 S., R. 17 E.

Beginning from true point of cor. of secs. 4, 5, 32 and 33.

S. $89^{\circ} 52'$ W. bet. secs. 5 and 32.

Over broken, mountainous land through scattered pinon and juniper.

Continue on same triangulation, asc. abruptly about 720 ft. over precipitous E. slope.

11.40

Spur, projects S. about 8.00 chs., thence SE. End triangulation.

11.60

Point selected for the new witness cor. of secs. 4, 5, 32 and 33.

Set an iron post $2\frac{1}{2}$ ins. diam., 30 ins. long, 2 ins. in the ground to bedrock, and in a mound of stone 4 ft. base to top, with brass cap mkd.

T16S R17E
S32|S33 W
S5|S4 C

T17S
1961

By triangulation, desc. about 80 ft. over SW. slope.

14.90

Head of draw, drains S., asc. about 100 ft. over SE. slope.

26.00

Approximate dist. to spur, projects S. 10° W., desc. about 80 ft. over SW. slope.

31.50

Approximate dist. to head of draw, drains S., asc. about 80 ft. over broken SE. slope.

37.00

Approximate dist. to narrow, rocky spur, projects S., desc. about 100 ft. over rocky, ledgey SW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32 falls on rock slide on SW. slope and cannot be perpetuated.

45.00

Approximate dist. to head of draw, drains S., asc. about 100 ft. over rocky SE. slope.

Survey of a Portion of the S. Edy. of T. 16 S., R. 17 E.

Chains

49.50

Spur, projects SE., end triangulation.

49.55

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock and in a mound of stone 4 ft. base to top, with brass cap mkd.

T16S R17E

$\frac{1}{4}$ $\xrightarrow{\text{W S32}}$
C S5

T17S
1961

By triangulation, desc. about 560 ft. over broken, precipitous SW. slope.

60.00

Approximate dist. to draw, drains SW., asc. about 240 ft. over SE. slope.

69.50

Approximate dist. to spur, projects SW., desc. about 400 ft. over steep, broken W. slope.

75.00

Approximate dist. to draw, drains S., asc. abruptly about 250 ft. over sandstone ledges on SE. slope.

80.00

Point for the cor. of secs. 5, 6, 31 and 32 falls on near verticle ledge sloping SE. and cannot be perpetuated.

Land, mountainous, broken.

Soil, shallow sandy clay, with exposed sandstone.

Timber, scattered pinon and juniper.

S. $89^{\circ} 52'$ W. bet. secs. 6 and 31.

Over broken, mountainous land through scattered pinon and juniper.

Asc. abruptly about 150 ft. over sandstone ledges.

2.22

Point selected for the witness cor. of secs. 5, 6, 31 and 32.

Set an iron post, $2\frac{1}{2}$ ins. in diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone 4 ft. base to top, with brass cap mkd.

T16S R17E

W C

$\frac{S31}{S6} | \frac{S32}{S5}$ $\xrightarrow{\quad}$

T17S
1961

By triangulation, asc. abruptly about 400 ft. over broken SE. slope.

22.00

Slope changes to E., asc. abruptly about 1,150 ft. over precipitous, broken E. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31 falls on near verticle ledge and cannot be perpetuated.

41.98

Spur, projects SE., end triangulation. Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Survey of a Portion of the S. 34th of T. 16 S., R. 17 E.

Chains

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, on solid sandstone and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R17E
 $\frac{S\ 31}{S\ 6} \rightarrow W$
 C
 T17S
 1961

By triangulation, desc. about 400 ft. along broken SW. slope to ravine.

60.00 Approximate dist. to head of ravine, drains S., asc. about 400 ft. over broken SE. slope.

78.02 True point for the cor. of Tps. 16 and 17 South, Rs. 16 and 17 East.

From this point, the witness Tp. cor. bears N. a dist. of 3.72 chs., which is a $2\frac{1}{2}$ in. iron post, set, mkd. and witnessed as described in the 1961 field notes of the S. bdy. of T. 16 S., R. 16 E.

Land, mountainous, broken.

Soil, shallow sand, and exposed sandstone.

Timber, scattered pinon and juniper.

A Portion of the Third Standard Parallel South in Range 17 East

Beginning at true point for the standard cor. of T. 15 S., Rs. 16 and 17 E., from which, its witness cor. bears W. 7.97 chs., and is a 3 in. iron post, set, mkd. and witnessed as described in the official record.

East, along the south boundary of section 31.

Over rough, steep, mountainous land through dense timber and undergrowth.

By triangulation, desc. about 160 ft. over steep, rough, NE. slope.

2.50 Approximate dist. to draw, drains SE., asc. about 240 ft. along broken S. slope.

15.00 Approximate dist. to spur, projects S., desc. about 400 ft. over rough, broken, SE. slope.

25.00 Approximate dist. to draw, drains S., asc. about 1,280 ft. over broken ledges, and talus on steep SW. slope.

40.00 Point for the standard $\frac{1}{4}$ sec. cor. of sec. 31 falls on broken ledges on SW. slope and cannot be monumented.

51.19 Point selected for the witness standard $\frac{1}{4}$ sec. cor. of sec. 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. 4 ins. in the ground to bedrock, and in a mound of stone $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

S C
 T15S R17E
 $WC \frac{1}{4} S31$
 1961

A Portion of the Third Standard Parallel South in R. 17 E.

Chains	
	End one triangulation, beginning of another.
51.20	Spur, projects SW., desc. about 320 ft. over rough, broken SE. slope.
68.40	Point selected for the witness standard cor. of secs. 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone 3 ft. base to top, with brass cap mkd. S C T15S R17E <u>S31 S32</u> W 1961 C
68.40	Spur, projects SE., desc. about 320 ft. over broken ledges on NE. slope. End one triangulation, beginning of another.
74.00	Approximate dist. to draw, drains SE., desc. about 160 ft. over broken ledges, sloping S. on broken S. slope.
80.00	Point for the standard cor. of secs. 31 and 32 falls on broken ledges sloping S. and cannot be monumented. Land, steep, rough and broken. Soil, rocky. Timber, dense pine, pinon and juniper, with dense mahogany undergrowth.
	East, along the S. bdy. of sec. 32. Over rough, broken, mountainous land through dense timber. Continue on same triangulation, desc. about 80 ft. along broken S. slope.
2.00	Approximate dist. to spur, projects SE., desc. about 480 ft. over steep, broken E. slope.
8.00	Approximate dist. to draw, drains SE., asc. about 340 ft. along broken S. slope.
28.00	Point selected for the witness standard ¼ sec. cor. of sec. 32. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone to top, with brass cap mkd. T15S R17E S C <u>WC ¼ S32</u> 1961
	End triangulation.
28.10	Spur, projects S. 80° E., thence by triangulation, desc. about 1,600 ft. over steep, broken NE. slope to true point for standard cor. 32 and 33.
40.00	Point for the standard ¼ sec. cor. of sec. 32 falls on inaccessible NE. slope and cannot be monumented. Continue descent.
80.00	Point for the standard cor. of secs. 32 and 33 falls on inaccessible ledgy NE. slope and cannot be monumented.

A Portion of The Third Standard Parallel S. 17 E.

Chains

Land, rough, broken and steep.

Soil, rocky.

Timber, dense pinon, juniper and pine, with dense mahogany undergrowth.

East, along the S. bdy. of sec. 33.

Over broken mountainous land through dense timber.

Continue on same triangulation, desc. about 240 ft. to spur, projects NE., desc. about 400 ft. over broken SE. slope to Green River.

6.52 Point selected for the witness standard cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone 3 ft. base to top, with brass cap mkd.

S C

T15S R17E

W

S32 S33

C

1961

Witness cor. set at base of ledge, 40 ft. high, bears NE. and SE., about 100 ft. above river.

11.55 Point for the meander cor. of sec. 33 on right bank of Green River.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a collar of stone with brass cap mkd.

T15S R17E

SMC

S33

1961

Survey of the Subdivision of Township 16 South, Range 17 E.

Beginning at the true point of cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp.

N. 0° 03' W. bet. secs. 32 and 33.

Over broken, mountainous land through scattered pinon and juniper.

Continue same triangulation; asc. about 80 ft. along E. slope to draw.

7.00 Draw, drains SE., asc. abruptly about 560 ft. over precipitous S. slope.

16.35 End triangulation.

16.80 Ridge, bears irregular E. and W., desc. 400 ft. along spur projecting N.

30.10 Point selected for the witness ¼ sec. cor. of secs. 32 and 33.

Survey of the Subdivision of T. 16 S., R. 17 E.

Chains

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 16 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T16S R17E

✕

W C

S32|S33

1961

By triangulation desc. about 900 ft. over precipitous N. slope to wash.

40.00 Point for $\frac{1}{4}$ sec. cor. of secs. 32 and 33 falls on inaccessible N. slope.

49.00 Bottom of descent bears E. and W., thence across bottom of Joe Hatch Canyon.

53.00 Wash, 30 lks. wide, 5 ft. deep drains E., asc. about 1,050 ft. over ledgy S. slope.

68.90 Spur, projects SE., desc. about 400 ft. over ledgy NE. slope.

80.00 Point for the cor. of secs. 28, 29, 32 and 33, end triangulation.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R17E

S29|S28

S32|S33

1961

Land, mountainous, broken.

Soil, sandy, rocky, exposed sandstone.

Timber, scattered pinon and juniper.

N. $0^{\circ} 03'$ W., bet. secs. 28 and 29.

Over mountainous and broken land through medium dense timber.

By triangulation, desc. about 320 ft. over steep NE. slope.

11.00 Approximate dist. to bottom of ravine, drains SE., asc. abruptly about 800 ft. over sandstone ledges on steep S. slope.

34.50 Narrow ridge bears NW. and SE., end one triangulation, beginning another desc. 270 ft. over steep N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29.

On a steep N. slope 278 ft. below ridge.

Set an iron post, $2\frac{1}{2}$ ins. in diam., 30 ins. long, 12 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T16S R17E

✕

S29|S28

1961

Desc. about 80 ft. along steep E. slope.

Survey of the Subdivision of T. 16 S., R. 17 E.

Chains

- 50.00 Draw, drains NE.
- 62.00 Spur, projects NE., desc. about 800 ft. over steep, ledgy N. slope.
- 80.00 Point for the cor. of secs. 20, 21, 28 and 29, end triangulation.

At bottom of descent,

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T16S R17E

S20 S21

S29 S28

1961

Land, mountainous, broken.

Soil, shallow rocky sand, with exposed sandstone.

Timber, medium dense pinon and juniper, scattered pine.

N. $0^{\circ} 03'$ W., bet. secs. 20 and 21.

By triangulation over nearly level bottom of Big Canyon.

- 3.70 Approximate dist. to wash, 20 lks. wide, 3 ft. deep, drains irregularly E.
- 7.70 Approximate dist. asc. abruptly about 1,280 ft. over broken, precipitous S. slope.
- 36.70 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 20 and 21.

On top of Spur, projects SE., end triangulation.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, on solid sandstone and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R17E

$\frac{1}{4}$

W C

S20 S21

1961

By triangulation, desc. 400 ft. over steep, rocky NE. slope through medium dense timber.

- 40.00 Point for the $\frac{1}{4}$ cor. of secs. 20 and 21 falls on inaccessible NE. slope and cannot be monumented.
- 51.00 Approximate dist. to draw, drains NE.; asc. about 650 ft. over steep SE. slope.
- 67.00 Spur, projects NE., end one triangulation, beginning of another, desc. about 600 ft. over steep N. slope.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21 falls in wash, drains NE.; asc. over broken ledges on SE. slope about 80 ft.

Land, mountainous, broken.

Soil, rocky sand, exposed sandstone.

Timber, medium dense pinon and juniper, scattered pine.

N. $0^{\circ} 03'$ W., bet. secs. 16 and 17.

Survey of the Subdivision of T. 16 S., R. 17 E.

Chains

Over broken, mountainous land through medium timber.

Continuing same triangulation, asc. about 400 ft. over steep SE. slope.

7.69

End triangulation.

7.70

Point selected for the witness cor. of secs. 16, 17, 20 and 21.

On a spur, projecting E.

Set an iron post, 2½ ins. diam., 30 ins. long, on solid sandstone and in a mound of stone, 4 ft. base to top, with brass cap mkd.

TL6S R17E

S17 S16

S20 S21

W C

1961

By triangulation, desc. about 250 ft. over NE. slope.

16.00

Approximate dist. to ravine, drains SE., asc. about 560 ft. over rocky SE. slope.

35.20

Point selected for the witness ¼ sec. cor. of secs. 16 and 17.

On a SE. slope, 10 ft. below spur, end triangulation.

Set an iron post, 2½ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock and in a mound of stone 4 ft. base to top, with brass cap mkd.

TL6S R17E

¼

W C

S17 S16

1961

By triangulation, desc. about 1,100 ft. over ledgy, broken NE. slope.

40.00

Point for the ¼ sec. cor. of secs. 16 and 17 falls on ledge sloping NE., and cannot be monumented.

75.40

Point selected for the witness cor. of secs. 8, 9, 16 and 17 on narrow finger of rock projects NE., end triangulation.

Set an iron post 2½ ins. diam., 30 ins. long, on solid sandstone and in a mound of stone, 4 ft. base to top, with brass cap mkd.

TL6S R17E

W C

S8 S9

S17 S16

1961

By triangulation desc. abruptly about 300 ft. over near verticle ledge, bears NE. and SW.

80.00

Point for the cor. of secs. 8, 9, 16 and 17 falls on inaccessible ledge sloping NW. and cannot be monumented.

Land, mountainous, broken.

Soil, exposed sandstone, shallow sand.

Timber, medium growth of pinon and juniper, scattered pine.

Survey of the subdivision of T. 16 S., R. 17 E.

Chains

N. 0° 03' W. bet. secs. 8 and 9.

Over mountainous, broken land through medium timber.

Continue on same triangulation, desc. about 100 ft. over sandstone ledge, bears NE. and SW.

1.00

Wash in bottom of Bull Canyon drains NE. about 5.00 chs. thence SE. asc. abruptly about 1,120 ft. over steep, ledgy S. slope.

22.20

Ridge, bears NW. and SE., end triangulation. Desc. about 1,100 ft. over steep, rocky NE. slope to bottom of Trail Canyon.

39.43

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 8 and 9.

On a steep, rocky NE. slope 480 ft. below ridge.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 12 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T16S R17E

$$\begin{array}{c} \frac{1}{4} \\ S8|S9 \\ W C \\ 1961 \end{array}$$

40.00

By triangulation, point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9 falls large boulder where cor. cannot be perpetuated.

68.50

Approximate dist. to wash, 20 lks. wide, 5 ft. deep, in bottom of Trail Canyon, drains S. 60° E., asc. abruptly over sandstone ledge about 200 ft. high.

73.50

Top of ledge bears irregularly E. and W., asc. about 150 ft. over large boulders on SE. slope, end one triangulation, beginning of another.

80.00

Point for the cor. of secs. 4, 5, 8 and 9 falls on ledge 20 ft. high sloping SE. and cannot be monumented.

Land, mountainous, broken.

Soil, shallow, rocky with exposed sandstone.

Timber, medium growth of pinon and juniper, scattered pine and spruce.

N. 0° 03' W. bet. secs. 4 and 5.

Over mountainous land, through medium timber.

Continue same triangulation.

0.84

Point selected for the witness cor. of secs. 4, 5, 8 and 9.

On a SE. slope, 300 ft. above wash,

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, on solid sandstone and in a mound of stone, 4 ft. base to top, with brass cap mkd.

End triangulation.

T16S R17E

$$\begin{array}{c} S5|S4 \\ S8|S9 \\ W C \\ 1961 \end{array}$$

Survey of the Subdivision of T. 16 S., R. 17 E.

Chains	
	By triangulation, asc. about 1,050 ft. over steep SE. slope of knoll.
26.30	End triangulation on E. slope of knoll, desc. about 970 ft. over steep NE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5. On a steep NE. slope 420 ft. below knoll, Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground and in a mound of stone 4 ft. base to top of post with brass cap mkd. T16S R17E $\frac{1}{4}$ S5 S4 1961
51.00	Draw, drains SE., asc. about 1,280 ft. over steep, ledgy S. slope.
77.06	Intersect the N. boundary of the township. Point for the closing cor. falls on small ledge sloping NE. and cannot be monumented. Therefore, at a point 0.10 chs. west, set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, on solid sandstone and in a mound of stone, 4 ft. base to top, with brass cap mkd. T15S R17E S32 → W S5 S4 C C C T16S 1961
	From point of intersection the true point for the standard $\frac{1}{4}$ sec. cor. of sec. 32, T. 15 S., R. 17 E., bears east 11.34 chs. dist. From point of intersection the witness standard $\frac{1}{4}$ sec. cor. of sec. 32, T. 15 S., R. 17 E., which is monumented with an iron post $2\frac{1}{2}$ ins. diam. previously described, bears west 0.66 chs. dist. Land, mountainous, broken. Soil, rocky, sandy, loam, exposed sandstone. Timber, medium growth of pinon and juniper.
	From the true point for the cor. of secs. 16, 17, 20 and 21 from which its witness cor. bears N. $0^{\circ} 03' W.$, 7.70 chs. dist. previously described. East, bet. secs. 16 and 21. Over broken, mountainous land through medium pinon and juniper. By triangulation, asc. about 240 ft. over rocky NW. slope.
13.50	Approximate dist. to spur, projects N., desc. about 320 ft. over steep NE. slope, to head of ravine.
17.50	Approximate dist. to head of ravine, drains NE., desc. about 80 ft. over NE. slope to spur.

Survey of the Subdivision of T. 16 S., R. 17 E.

Chains

- 23.00 Approximate dist. to spur, projects NE., desc. about 650 ft. over broken NE. slope, to wash.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21 falls in wash, 50 lks. wide, 5 ft. deep, drains N. 85° E., and cannot be perpetuated.
- Asc. about 80 ft. over NW. slope.
- 42.40 End triangulation.
- 43.43 Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 16 and 21.
- On a NW. slope, 20 ft. above wash,
- Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, on solid stone and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T16S R17E

$\frac{1}{2}$	W	S16
	C	S21

1961
- 50.00 Spur, projects NE., desc. 480 ft. over E. slope, leave timber.
- 65.50 Old trail bears SW. and NE.
- 73.26 Right bank of Green River, bears N. $30^{\circ} 35'$ E., S. $30^{\circ} 35'$ W. in meanders.
- Point for the meander cor. of secs. 16 and 21.
- Set an iron post, $2\frac{1}{2}$ ins. diam. 30 ins. long, 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
- T16S R17E

S16	/	MC
S21		

1961
- Land, broken, 60.00 chs., River Bottom, 13.26 chs.
- Soil, rocky, sandy loam.
- Timber, medium pinon and juniper 50.00, none 23.00 chs.
-
- From the true point for the cor. of secs. 8, 9, 16 and 17, from which its witness cor. bears S. $0^{\circ} 03'$ E., 4.60 chs. dist., previously described.
- N. $89^{\circ} 57'$ E. bet. secs. 9 and 16.
- Over broken, mountainous land through medium pinon and juniper.
- By triangulation, asc. about 80 ft. over NW. slope.
- 4.00 Approximate dist. to point of spur, projects NE., desc. abruptly about 400 ft. over precipitous E. slope.
- 7.00 Approximate dist. to Bull Canyon, drains S. about 2.00 chs., thence SE. Asc. abruptly about 800 ft. over precipitous W. slope.
- 22.00 Approximate dist. to E. rim of Bull Canyon, bears N. and S., asc. about 80 ft. along gentle S. slope.
- 35.10 Top of small butte, and triangulation, desc. 450 ft. over steep NE. slope.

Survey of the Subdivision of T. 16 S., R. 17 E.

Chains

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

On a steep NE. slope.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T16S R17E

$$\frac{S\ 9}{S16}$$
 1961

Continue descent.

47.50 West rim of Green River, bears irregularly N. and S. by triangulation desc. abruptly about 800 ft. over sandstone ledges 100 ft. to 300 ft. high. Leave timber.

63.58 Right bank of Green River bears irregularly N. and S. End triangulation.

Point for the meander cor. of secs. 9 and 16.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T16S R17E

$$\frac{S\ 9}{S16} \quad MC$$

1961

Cor. falls beside old trail.

Land, mountainous, broken.

Soil, rocky, with exposed sandstone.

Timber, medium dense pinon and juniper 47.50 chs. none 16.10 chs.

From true point for the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp. previously described. The witness cor. bears S. $89^{\circ} 52'$ W., 2.22 chs. dist.N. $0^{\circ} 03'$ W. bet. secs. 31 and 32.

Over broken, mountainous land through scattered timber.

By triangulation, asc. abruptly about 1,600 ft. over broken, precipitous S. slope.

31.90 Top of narrow ridge, ledge, 50 ft. high bears irregularly E. and W. End triangulation.

31.95 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam. on solid sandstone and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T16S R17E

$$\frac{W\ C}{S31\ S32}$$

1961

Survey of the Subdivision of T. 16 S., R. 17 E.

Chains	
40.00	By triangulation, desc. abruptly over ledge, 60 ft. high, bears E. and W., thence desc. about 1,050 ft. over steep N. slope. Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 falls on inaccessible N. slope and is not monumented.
57.00	Approximate dist. to bottom of Joe Hatch Canyon, drains irregularly E., asc. about 800 ft. over steep, rocky SE. slope.
79.70	Point selected for the witness cor. of secs. 29, 30, 31 and 32. End triangulation. At base of ledge, 30 ft. high, bears E. and W., on steep, rocky SE. slope. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
80.00	<div data-bbox="479 791 602 924" style="text-align: center;"> T16S R17E W C <u>S30 S29</u> S31 S32 1961 </div> Point for the cor. of secs. 29, 30, 31 and 32 falls on ledge and cannot be perpetuated. Land, broken, mountainous. Soil, rocky loam, exposed sandstone. Timber, scattered pinon, juniper, pine.
15.00	From the cor. of secs. 28, 29, 32 and 33. N. $89^{\circ} 56'$ W. bet. secs. 29 and 32. Over mountainous, broken land through scattered timber. By triangulation, asc. about 640 ft. over steep NE. slope. Approximate dist. to spur, projects SE., desc. about 560 ft. over rocky W. slope. Approximate dist. to draw, drains S., asc. about 640 ft. over SE. slope. Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32 falls on ledge sloping E., and cannot be perpetuated. Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 29 and 32. On top of small ledge, on SE. slope, Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
41.23	<div data-bbox="548 1897 683 2008" style="text-align: center;"> T16S R17E $\frac{1}{4}$ W S29 C S32 1961 </div> End triangulation.

439

Survey of the Subdivision of T. 16 S., R. 17 E.

Chains

45.40

Top of ascent slopes S., thence by triangulation, asc. about 400 ft. along broken SE. slope.

80.08

True point for the cor. of secs. 29, 30, 31 and 32, from which its witness cor. bears S. 0° 03' E., .30 chs. dist.

Land, mountainous, broken.

Soil, rocky, sandy, loam.

Timber, scattered pinon and juniper.

Survey of the Meander of the Right Bank of Green River,
Section 16

From the meander cor. of secs. 9 and 16, previously described, downstream, along the right bank of the Green River, through sec. 16.

Over nearly level bottom land through scattered willows and widely scattered pinon and juniper, along bank 3 ft. to 6 ft. high.

S. 44° 08' E., 2.33 chs.

S. 6° 09' E., 11.30 chs.

S. 41° 11' E., 10.40 chs.

N. 74° 51' E., 1.70 chs.

S. 49° 22' E., 1.40 chs.

S. 35° 13' E., 2.30 chs.

S. 4° 59' W., 3.40 chs.

S. 10° 43' W., 10.20 chs.

S. 4° 22' W., 18.10 chs.

S. 10° 55' E., 18.90 chs.

S. 30° 35' W., 7.95 chs. The meander cor. of secs. 16 and 21.

Land, nearly level river bottom.

Soil, deep sand, rocky.

Timber, widely scattered pinon and juniper.

General Description

The land in Township 16 South, Range 17 East, west of the Green River is mountainous and broken, and extremely rough. The general elevation of the west half of the township varies from 4,400 ft. along the Green River to 8,000 ft. along the west boundary. The soil along the Green River is mostly deep sandy loam, while the west half is mostly exposed sandstone, or shallow, rocky, sand. Timber in the area is dense pinon, juniper, and pine along the west boundary, and getting thinner toward the river. The area is drained in an easterly direction by Joe Hatch Canyon, Big Canyon, Bull Canyon, and Trail Canyon, all draining into the Green River, which crosses the township southerly through the central part, and is the Uintah and Ouray Indian Reservation boundary. There are a few stands of cotton wood trees along the river, but mostly sagebrush and dense willows.

U. S. GOVERNMENT PRINTING OFFICE: 1964 O - 350-000-2

Chains

CHAINS

1. The first chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

10.00

2. The second chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

10.00

3. The third chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

4. The fourth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

5. The fifth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

6. The sixth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

7. The seventh chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

8. The eighth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

9. The ninth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

10. The tenth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

11. The eleventh chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

12. The twelfth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

13. The thirteenth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

14. The fourteenth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

15. The fifteenth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

16. The sixteenth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

17. The seventeenth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

18. The eighteenth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

19. The nineteenth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

20. The twentieth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

21. The twenty-first chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

22. The twenty-second chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

23. The twenty-third chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

24. The twenty-fourth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

25. The twenty-fifth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

26. The twenty-sixth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

27. The twenty-seventh chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

28. The twenty-eighth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

29. The twenty-ninth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

30. The thirtieth chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

31. The thirty-first chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

32. The thirty-second chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

33. The thirty-third chain is a simple chain of 10 links, each link being 1 inch long and 1/2 inch wide.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF SURVEY

I, **Craig P. Sylvester**, HEREBY CERTIFY upon honor that,
 in pursuance of special instructions bearing date of the 28th day of **September**, 19 **60**,
 I have supervised the retracement of the west half mile of the south boundary
 of section 32 and the survey of the west two miles of the south boundary and
 a portion of the north boundary and a portion of the subdivisional lines and
 and the meander of the right bank of the Green River through section 16 of
 Township 16 South, Range 17 East,
 of the **Salt Lake** Meridian, in the State of **Utah**, which
 are represented in the foregoing field notes as having been executed ~~in accordance~~ ^{under my supervision;}
 and that said survey has been made in strict conformity with said special instructions, the Manual
 of Instructions for the Survey of the Public Lands of the United States, and in specific manner
 described in the foregoing field notes.

Salt Lake City, Utah
 (Date)

Craig P. Sylvester
 (Cadastral Surveyor)

February 20, 1962
 (Date)

Craig P. Sylvester, Cadastral Surveyor
 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C.

The foregoing field notes of the retracement of the west half mile of the south bound-
 ary of section 32 and the survey of the west two miles of the south boundary and
 a portion of the north boundary and a portion of the subdivisional lines and
 the meander of the right bank of the Green River through section 16 of Town-
 ship 16 South, Range 17 East, Salt Lake Meridian, Utah,

executed by Glen B. Hatch, Cadastral Surveyor, under the supervision of Craig
 P. Sylvester, Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.

DEC 3 1963
 (Date)

G. B. Hatch
 (Chief, Division of Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 , is a true copy of the original field notes.

 (Date)

 (Chief, Division of Engineering)